



Souder, Miller & Associates ♦ 201 S. Halagueno St. ♦ Carlsbad, NM 88220
(575) 689-8801

October 22, 2020

#5E29133-BG57

NMOCD District 1
1625 N. French Dr.
Hobbs, New Mexico 88240

SUBJECT: Remediation Closure Report for the White Dove 17 Federal Com 2H Release (1RP-5190),
Lea County, New Mexico

To Whom It May Concern:

On behalf of Devon Energy Production Company, Souder, Miller & Associates (SMA) has prepared this Remediation Closure Report that describes the remediation of a release of liquids related to oil and gas production activities at the White Dove 17 Federal Com 2H site. The site is in Unit N, Section 17, Township 23S, Range 34E, Lea County, New Mexico, on Federal land. Figure 1 illustrates the vicinity and site location on an USGS 7.5-minute quadrangle map.

Table 1 summarizes release information and Closure Criteria.

| Table 1: Release Information and Closure Criteria | | | |
|---|---|------------------------|---------------------------------|
| Name | White Dove 17 Federal Com 2H | Company | Devon Energy Production Company |
| API Number | 30-025-43027 | Location | 32.2980797, -103.4962835 |
| Tracking Number | 1RP-5190 | | |
| Estimated Date of Release | 8/06/2018 | Date Reported to NMOCD | 8/06/2018 |
| Land Owner | Federal | Reported To | NMOCD, BLM |
| Source of Release | Failed discharge valve in close position caused cavitation. Resulted in suction hose clamp loosening and causing a spill. | | |
| Released Volume | 9 BBLS | Released Material | Produced Water |
| Recovered Volume | 0 BBLS | Net Release | 9 BBLS |
| NMOCD Closure Criteria | <50 feet to groundwater | | |
| SMA Response Dates | 8/24/2020, 10/02/2020 | | |

1.0 Background

On August 6, 2018, a release was discovered at the White Dove 17 Federal Com 2H site due to a discharge valve on the blender failing in the close position and causing cavitation. The result was a clamp on the suction hose to work loose causing a spill on the ground. Initial response activities were conducted by the operator, and included source elimination and site stabilization activities. Figure 1 illustrates the vicinity and site location; Figure 2 illustrates the release location. The C-141 form is included in Appendix A.

2.0 Site Information and Closure Criteria

The White Dove 17 Federal Com 2H is an active production facility located approximately 34 miles southwest of Hobbs, New Mexico on Federal (BLM) land at an elevation of approximately 3482 feet above mean sea level (amsl).

Depth to Groundwater

Based upon New Mexico Office of the State Engineer (Appendix B), depth to groundwater in the area is estimated to be 268 feet below grade surface (bgs).

Wellhead Protection Area

There are no known water sources within ½-mile of the location, according to the New Mexico Office of the State Engineer (NMOSE) online water well database.

Distance to Nearest Significant Watercourse

The nearest significant watercourses are unnamed streams, wetlands, and playa located approximately 4,652 feet to the southeast.

Table 2 demonstrates the Closure Criteria applicable to this location. Figure 2 illustrates the site with 200 and 300-foot radii to indicate that it does not lie within a sensitive area as described in 19.15.29.12.C(4) NMAC.

Based on a lack of supportable groundwater data, the applicable NMOCD Closure Criteria for this site is for a groundwater depth of less than 50 feet bgs.

3.0 Release Characterization and Remediation Activities

On August 24, 2020, SMA personnel performed site delineation activities at the White Dove 17 Federal Com 2H site. SMA collected soil samples around the release site and throughout the presumed release area. Soil samples were field-screened for chloride using an electrical conductivity (EC) meter and for hydrocarbon impacts using a calibrated MiniRAE 3000 photoionization detector (PID) equipped with a 10.6 eV lamp.

A total of fifteen sample locations (L1 – L5, S1 – S6, SW1 – SW4) were investigated using a hand-auger, from surface level to depths of 1-foot bgs. A total of nineteen samples were collected for laboratory analysis for total chloride using EPA Method 300.0; benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method 8021B; and motor, diesel and gasoline range organics (MRO, DRO, and GRO) by EPA Method 8015D. Results indicated that the area around samples S1 – S6 were impacted; all other locations were below NMOCD Closure Criteria.

On October 2, 2020 SMA returned to the site to guide the excavation of contaminated soil. SMA guided the excavation activities by collecting soil samples for field screening. Samples were screened for chloride and hydrocarbons using the methods above. The walls and base were excavated until field

White Dove 17 Federal Com 2H Remediation Closure Report
October 22, 2020

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screening results indicated that the NMOCD Closure Criteria would be met. NMOCD was notified on September 30, 2020 that closure samples were expected to be collected in two (2) business days.

On October 2, 2020, SMA collected confirmation samples from the walls and base of the excavation, which measured approximately 21-feet by 75-feet by 1.5-foot. Confirmation samples were comprised of five-point composites of the base (CS1 – CS9) and walls (SW1 – SW4).

A total of thirteen samples were collected for laboratory analysis for total chloride using EPA Method 300.0; benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method 8021B; and motor, diesel and gasoline range organics (MRO, DRO, and GRO) by EPA Method 8015D. Laboratory samples were collected in accordance with the sampling protocol included in Appendix C. Samples were placed into laboratory supplied glassware, labeled, and maintained on ice until delivery to Envirotech in Farmington, New Mexico (Appendix D)

Figure 3 shows the site and initial sample locations, Figure 3A shows the extent of the final excavation and closure sample locations. All field screening and laboratory results are summarized in Table 3. Field notes are included in Appendix C, and photos are included in Appendix E.

4.0 Site Recommendations

As demonstrated in Table 3, all closure samples meet the Closure Criteria. The site has been remediated to meet the standards of Table I of 19.15.29.12 NMAC.

Contaminated soils were removed and replaced with clean backfill material to return the surface to previous contours. The contaminated soil was transported and disposed of at Northern Delaware Basin Landfill near Jal, NM, an NMOCD-permitted disposal facility.

SMA recommends no further action and requests closure of Incident Number 1RP-5190.

White Dove 17 Federal Com 2H Remediation Closure Report
October 22, 2020

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5.0 Scope and Limitations

The scope of our services included: assessment sampling; verifying release stabilization; regulatory liaison; remediation; and preparing this report. All work has been performed in accordance with generally accepted professional environmental consulting practices for oil and gas releases in the Permian Basin in New Mexico.

If there are any questions regarding this report, please contact either Ashley Maxwell at 575-689-8801 or Shawna Chubbuck at 505-325-7535.

Submitted by:
SOUDER, MILLER & ASSOCIATES

Reviewed by:



Ashley Maxwell
Project Scientist



Shawna Chubbuck
Senior Scientist

REFERENCES:

New Mexico Office of the State Engineer (NMOSE) online water well database
https://gis.ose.state.nm.us/gisapps/ose_pod_locations/; accessed 10/15/2020
United States Geological Survey
<https://waterdata.usgs.gov/nwis/>

ATTACHMENTS:

Figures:

Figure 1: Vicinity and Well Head Protection Map
Figure 2: Surface Water Radius Map
Figure 3: Site and Initial Sample Location Map
Figure 3A: Site and Confirmation Sample Location Map

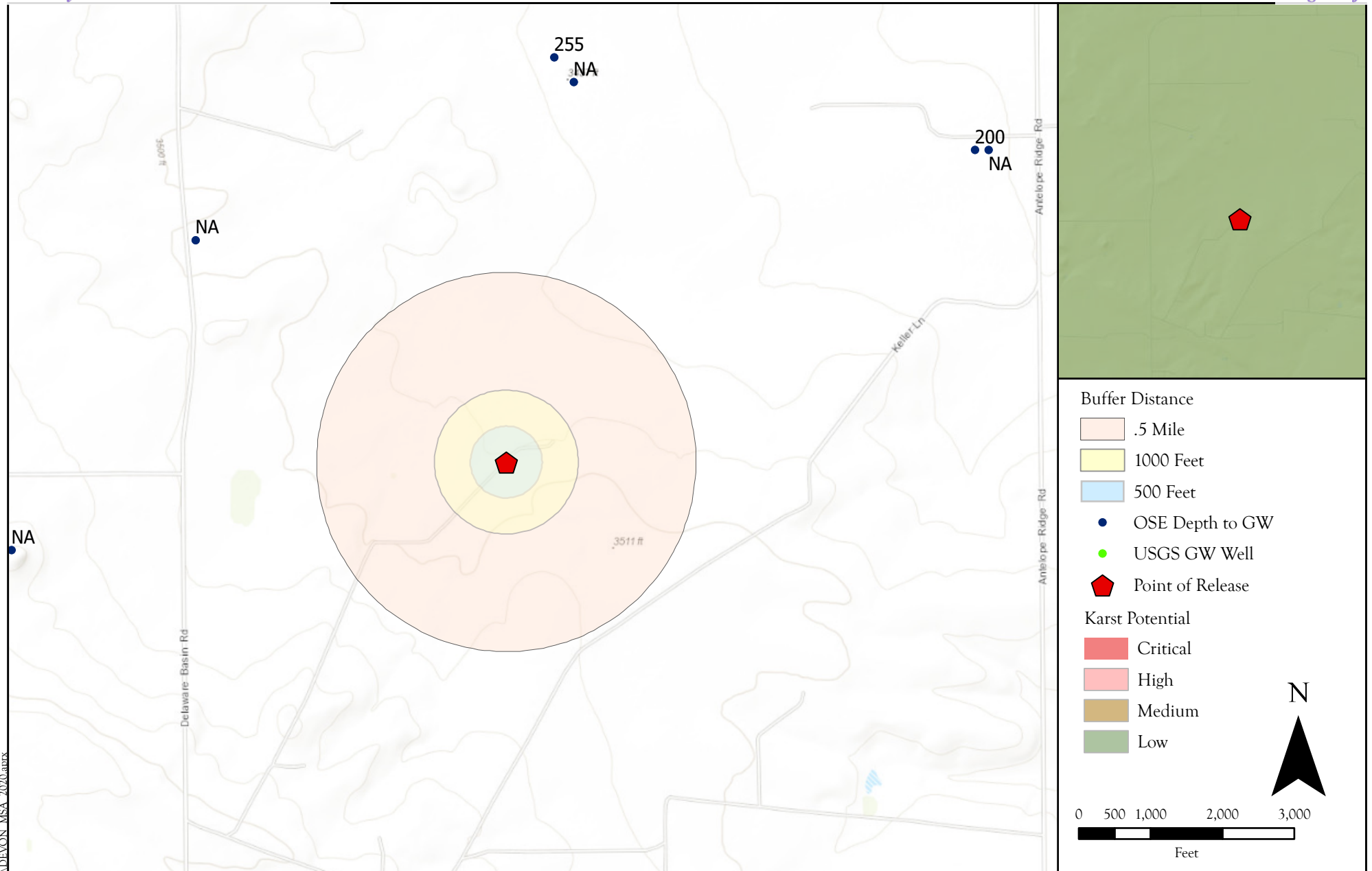
Tables:

Table 2: NMOCD Closure Criteria Justification
Table 3: Summary of Sample Results

Appendices:

Appendix A: Form C141
Appendix B: NMOSE Wells Report
Appendix C: Sampling Protocol and Field Notes
Appendix D: Laboratory Analytical Reports
Appendix E: Photo Log

FIGURES



Site Map
 White Dove 17 Fed Com #2/#3- Devon Energy Production Company
 32.2980797, -103.4962835 Lea County, New Mexico

Figure 1

P:\5-Devon\MSA 2020\5E291131\GIS\DEVON_MSA_2020.aprx
 Date Saved: 9/1/2020

Revisions
 By: _____ Date: _____ Descr: _____
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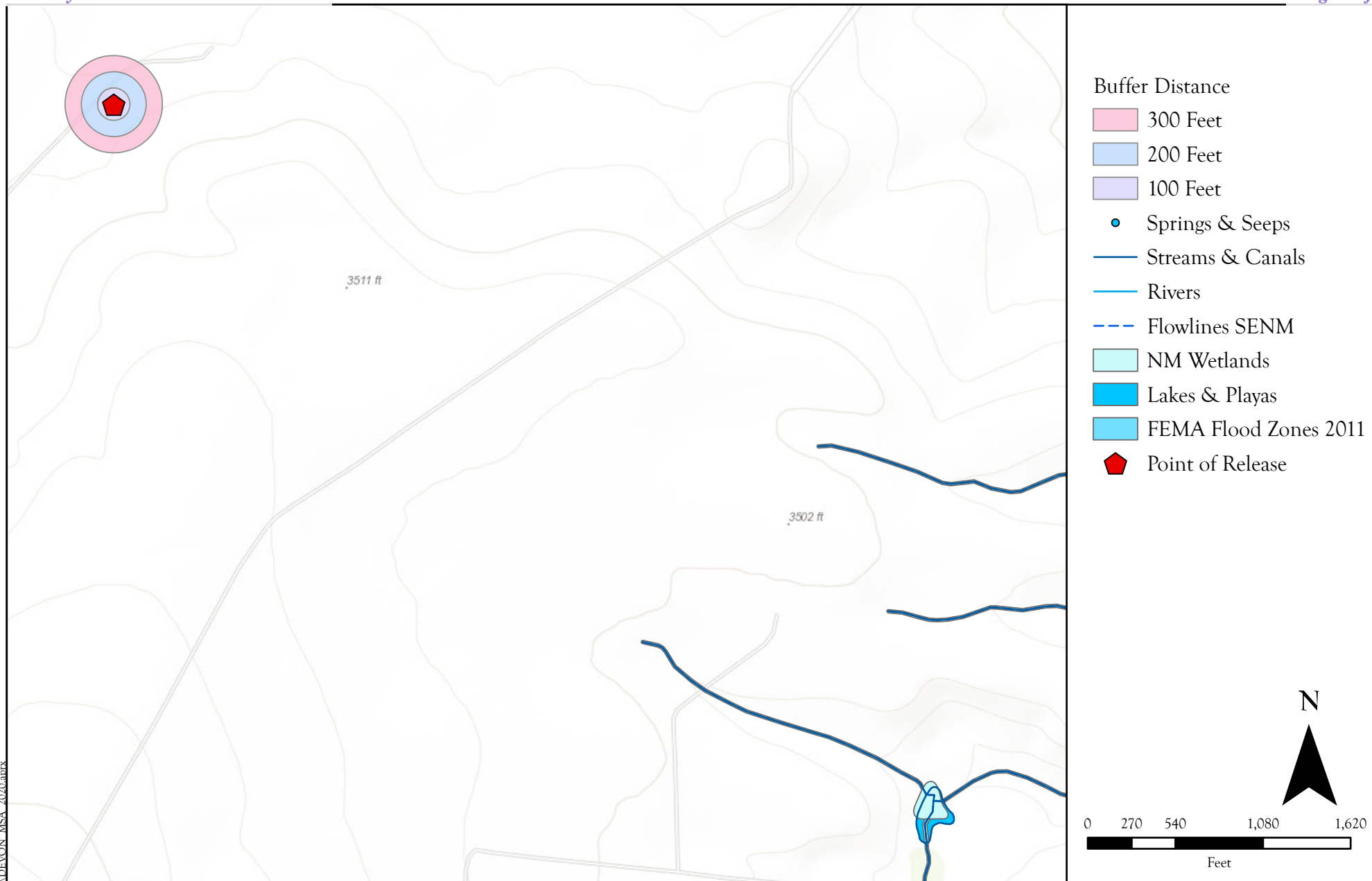
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Drawn
 Date
 Checked
 Approved

Sebastian Orozco
 9/2/2020



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 Carlsbad, New Mexico 88221
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Buffer Distance

300 Feet

200 Feet

100 Feet

• Springs & Seeps

— Streams & Canals

— Rivers

- - - Flowlines SENM

□ NM Wetlands

■ Lakes & Playas

□ FEMA Flood Zones 2011

◆ Point of Release

N

0 270 540 1,080 1,620
Feet

Surface Water Protection Map
White Dove 17 Federal Com 2H- Devon Energy
UL: N S: 17 T: 23S R: 34E, Lea County, New Mexico

Figure 2

Revisions

By: _____ Date: _____ Descr: _____
By: _____ Date: _____ Descr: _____

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Drawn
Date
Checked
Approved

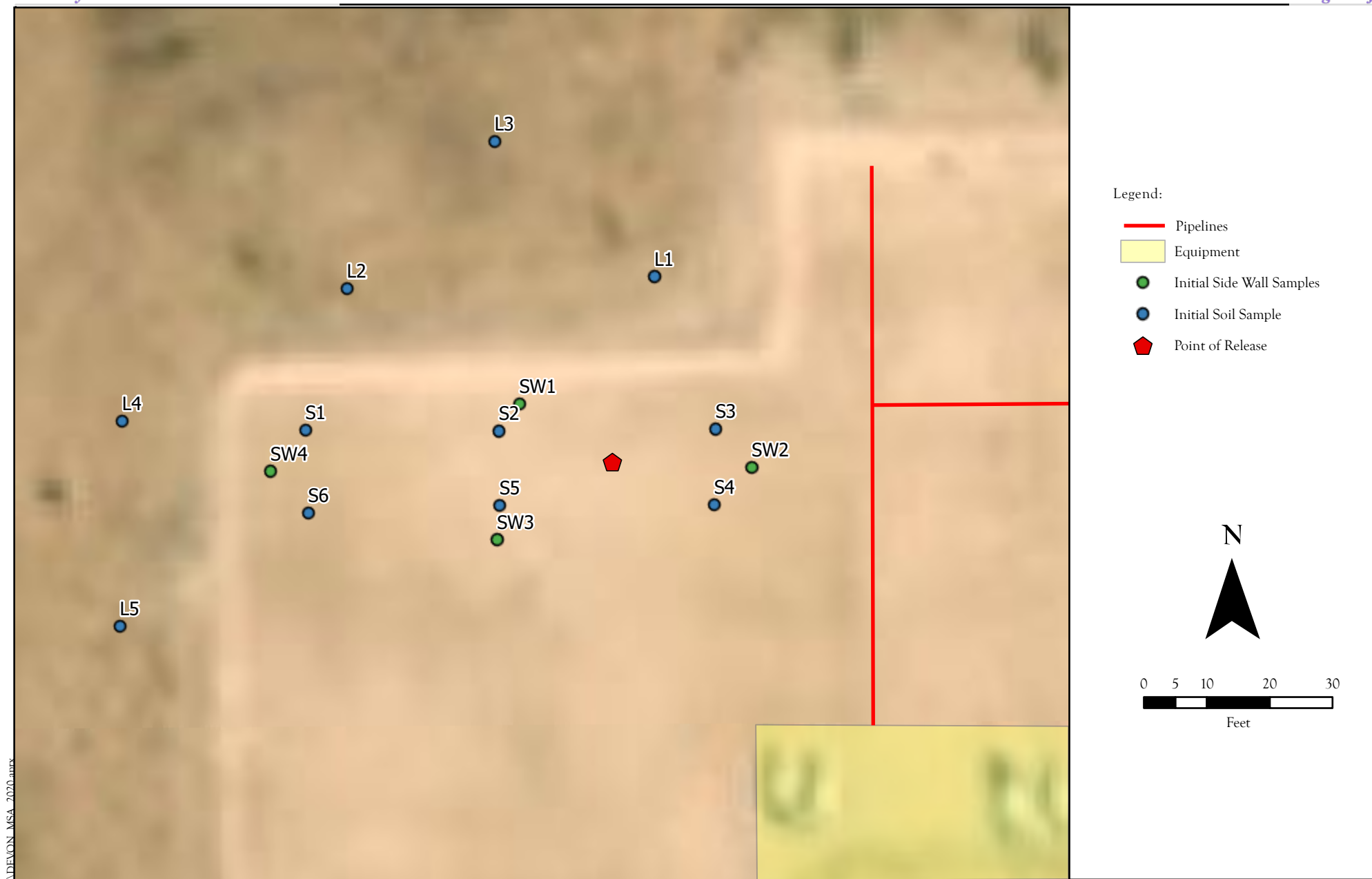
P.R. Smith

10/15/2020



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Site and Initial Sample Location Map
 White Dove 17 Federal Com 2H - Devon Energy
 UL: N S:17 T:23S R:34E, Lea County, New Mexico

Figure 3

P:\5 Devon MSA 2020\5E29133\GIS\DEVON_MSA_2020.mxd
 Date Saved:
 10/20/2020

Revisions
 By: _____ Date: _____ Descr: _____
 By: _____ Date: _____ Descr: _____

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Drawn P.R. Smith
 Date 10/21/2020
 Checked _____
 Approved _____



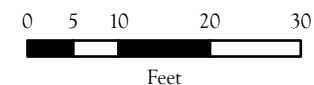
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Legend:

- Pipelines
- 1.5-foot Excavation
- Equipment
- Closure Sample
- Closure Side Wall Sample
- ⬠ Point of Release

N



Site and Confirmation Sample Location Map
White Dove 17 Federal Com 2H - Devon Energy
UL: N S:17 T:23S R:34E, Lea County, New Mexico

Figure 3A

Revisions

By: _____ Date: _____ Descr: _____
By: _____ Date: _____ Descr: _____

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10/21/2020



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TABLES

Table 2:
NMOCD Closure CriteriaDevon Energy
White Dove 17 Federal Com 2H

| Site Information (19.15.29.11.A(2, 3, and 4) NMAC) | | Source/Notes |
|---|----------------|---|
| Depth to Groundwater (feet bgs) | 268 (Estimate) | New Mexico Office of the State Engineer |
| Horizontal Distance From All Water Sources Within 1/2 Mile (ft) | N/A | NMOSE & USGS |
| Horizontal Distance to Nearest Significant Watercourse (ft) | 4652 | NMOSE & USGS |

| Closure Criteria (19.15.29.12.B(4) and Table 1 NMAC) | | | | | | |
|---|----------------|---|------|-----------|------|---------|
| Depth to Groundwater | | Closure Criteria (units in mg/kg) | | | | |
| | | Chloride *numerical limit or background, whichever is greater | TPH | GRO + DRO | BTEX | Benzene |
| < 50' BGS | X | 600 | 100 | | 50 | 10 |
| 51' to 100' | | 10000 | 2500 | 1000 | 50 | 10 |
| >100' | | 20000 | 2500 | 1000 | 50 | 10 |
| Surface Water | yes or no | if yes, then | | | | |
| <300' from continuously flowing watercourse or other significant watercourse? | No | 600 | 100 | | 50 | 10 |
| <200' from lakebed, sinkhole or playa lake? | No | | | | | |
| Water Well or Water Source | | | | | | |
| <500 feet from spring or a private, domestic fresh water well used by less than 5 households for domestic or stock watering purposes? | No | | | | | |
| <1000' from fresh water well or spring? | No | | | | | |
| Human and Other Areas | | | | | | |
| <300' from an occupied permanent residence, school, hospital, institution or church? | No | | | | | |
| within incorporated municipal boundaries or within a defined municipal fresh water well field? | No | | | | | |
| <100' from wetland? | No | | | | | |
| within area overlying a subsurface mine | No | | | | | |
| within an unstable area? | No (Low.Karst) | | | | | |
| within a 100-year floodplain? | No | | | | | |

Table 3:
Sample ResultsDevon Energy
White Dove 17 Fed Com 2H

| Sample ID | Sample Date | Depth of Sample (feet bgs) | Action Taken | Method 8021B | | Method 8015D | | | | Method 300.0 |
|------------------------|-------------|-------------------------------|-----------------|--------------|---------|--------------|-------|-------|-----------|-----------------|
| | | | | BTEX | Benzene | GRO | DRO | MRO | Total TPH | CI- |
| | | | | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg |
| NMOCD Closure Criteria | | | | 50 | 10 | | | | 100 | 600 |
| L1 | 8/24/2020 | Surface | In-Situ | <0.100 | <0.0250 | <20.0 | <25.0 | <50.0 | <95.0 | 45.6 |
| L2 | | Surface | In-Situ | <0.100 | <0.0250 | <20.0 | <25.0 | <50.0 | <95.0 | 20.7 |
| L3 | | Surface | In-Situ | <0.100 | <0.0250 | <20.0 | <25.0 | <50.0 | <95.0 | <20.0 |
| L4 | | Surface | In-Situ | <0.100 | <0.0250 | <20.0 | <25.0 | <50.0 | <95.0 | 67.3 |
| L5 | | Surface | In-Situ | <0.100 | <0.0250 | <20.0 | <25.0 | <50.0 | <95.0 | <20.0 |
| S1 | | Surface | Excavated | 0.0497 | <0.0250 | <20.0 | 133 | 767 | 900 | 401 |
| | | 1 | In-Situ | <0.100 | <0.0250 | <20.0 | <25.0 | <50.0 | <95.0 | 113 |
| S2 | | Surface | Excavated | <0.100 | <0.0250 | <20.0 | 50.2 | 155 | 205.2 | 1180 |
| | | 1 | In-Situ | <0.100 | <0.0250 | <20.0 | <25.0 | <50.0 | <95.0 | 113 |
| S3 | | Surface | Excavated | <0.100 | <0.0250 | <20.0 | 141 | 178 | 319 | 771 |
| | | 1 | In-Situ | <0.100 | <0.0250 | <20.0 | <25.0 | <50.0 | <95.0 | 299 |
| S4 | | Surface | Excavated | <0.100 | <0.0250 | <20.0 | 88.5 | 110 | 198.5 | 1080 |
| | | 1 | In-Situ | <0.100 | <0.0250 | <20.0 | <25.0 | <50.0 | <95.0 | 271 |
| S5 | | Surface | Excavated | <0.100 | <0.0250 | <20.0 | 120 | 202 | 322 | 67.8 |
| S6 | | Surface | Excavated | <0.100 | <0.0250 | <20.0 | 44.5 | 94.4 | 138.9 | 83.8 |
| SW1 | | Surface | In-Situ | <0.100 | <0.0250 | <20.0 | <25.0 | <50.0 | <95.0 | <20.0 |
| SW2 | Surface | In-Situ | <0.100 | <0.0250 | <20.0 | <25.0 | <50.0 | <95.0 | <20.0 | |
| SW3 | Surface | In-Situ | <0.100 | <0.0250 | <20.0 | <25.0 | <50.0 | <95.0 | <20.0 | |
| SW4 | Surface | In-Situ | <0.100 | <0.0250 | <20.0 | <25.0 | <50.0 | <95.0 | <20.0 | |
| Closure Samples | | | | | | | | | | |
| CS1 | 10/2/2020 | 1.50 | In-Situ | <0.100 | <0.0250 | <20.0 | <25.0 | <50.0 | <95.0 | <20.0 |
| CS2 | | | | 0.947 | <0.0250 | <20.0 | <25.0 | <50.0 | <95.0 | <20.0 |
| CS3 | | | | <0.100 | <0.0250 | <20.0 | <25.0 | <50.0 | <95.0 | <20.0 |
| CS4 | | | | <0.100 | <0.0250 | <20.0 | <25.0 | <50.0 | <95.0 | <20.0 |
| CS5 | | | | <0.100 | <0.0250 | <20.0 | <25.0 | <50.0 | <95.0 | <20.0 |
| CS6 | | | | <0.100 | <0.0250 | <20.0 | <25.0 | <50.0 | <95.0 | <20.0 |
| CS7 | | | | <0.100 | <0.0250 | <20.0 | <25.0 | <50.0 | <95.0 | <20.0 |
| CS8 | | | | <0.100 | <0.0250 | <20.0 | <25.0 | <50.0 | <95.0 | <20.0 |
| CS9 | | | | <0.100 | <0.0250 | <20.0 | <25.0 | <50.0 | <95.0 | <20.0 |
| SW1 | | 0-1.5 | In-Situ | <0.100 | <0.0250 | <20.0 | <25.0 | <50.0 | <95.0 | <20.0 |
| SW2 | | | | <0.100 | <0.0250 | <20.0 | <25.0 | <50.0 | <95.0 | <20.0 |
| SW3 | | | | <0.100 | <0.0250 | <20.0 | <25.0 | <50.0 | <95.0 | <20.0 |
| SW4 | <0.100 | | | <0.0250 | <20.0 | <25.0 | <50.0 | <95.0 | <20.0 | |

"--" = Not Analyzed

BG: Background sample

APPENDIX A

FORM C141

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

| | |
|----------------|---------------|
| Incident ID | nCH1825456054 |
| District RP | 1RP-5190 |
| Facility ID | |
| Application ID | pCH1825457523 |

Release Notification

Responsible Party

| | | | |
|-------------------------|---------------------------------------|--------------------|---|
| Responsible Party | Devon Energy | OGRID | 06137 |
| Contact Name | Danny Velo, Devon Completions Foreman | Contact Telephone: | 575-703-3360 |
| Contact email | danny.velo@dvn.com | Incident # | NCH1825456054 WHITE DOVE 17 FED COM 2H @ 30-025-43027 |
| Contact mailing address | PO Box 250, Artesia, NM 88211 | | |

Location of Release Source

Latitude 32.2980797 _____ Longitude -103.4962835 _____
(NAD 83 in decimal degrees to 5 decimal places)

| | | | |
|-------------------------|--------------------------|----------------------|--------------|
| Site Name | White Dove 17 Fed Com 2H | Site Type | Well Pad |
| Date Release Discovered | 8/6/2018 | API# (if applicable) | 30-025-43027 |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| N | 17 | 23S | 34E | Lea |

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: _____)

Federal Minerals

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

| | | |
|--|--|---|
| <input type="checkbox"/> Crude Oil | Volume Released (bbls) | Volume Recovered (bbls) |
| <input checked="" type="checkbox"/> Produced Water | Volume Released (bbls) 9 | Volume Recovered (bbls) 0 |
| | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="checkbox"/> Condensate | Volume Released (bbls) | Volume Recovered (bbls) |
| <input type="checkbox"/> Natural Gas | Volume Released (Mcf) | Volume Recovered (Mcf) |
| <input type="checkbox"/> Other (describe) | Volume/Weight Released (provide units) | Volume/Weight Recovered (provide units) |

Cause of Release

A discharge valve on the blender failed in the close position causing cavitation. This then caused the clamp on the suction hose to work loose causing a spill on the ground.

| | |
|----------------|---------------|
| Incident ID | nCH1825456054 |
| District RP | 1RP-5190 |
| Facility ID | |
| Application ID | pCH1825457523 |

| | |
|--|--|
| Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | If YES, for what reason(s) does the responsible party consider this a major release? |
| If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? | |

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

| | |
|--|--|
| <input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately. | |
| If all the actions described above have <u>not</u> been undertaken, explain why: | |
| Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation. | |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. | |
| Printed Name: <u>Denise Menoud</u> | Title: _____ Field Admin Support _____ |
| Signature: <u>Denise C. Menoud</u> | Date: <u>9/10/2018</u> |
| email: <u>denise.menoud@dvn.com</u> | Telephone: <u>575-746-5544</u> |
| OCD Only Received by: <u>RECEIVED</u> <u>By CHernandez at 4:08 pm, Sep 11, 2018</u> | |
| Date: _____ | |

| | |
|----------------|---------------|
| Incident ID | NCH1825456054 |
| District RP | 1RP-5190 |
| Facility ID | |
| Application ID | PCH1825457523 |

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

| | |
|---|---|
| What is the shallowest depth to groundwater beneath the area affected by the release? | <u>268 (Estimate)</u> (ft bgs) |
| Did this release impact groundwater or surface water? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a wetland? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying a subsurface mine? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within a 100-year floodplain? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Did the release impact areas not on an exploration, development, production, or storage site? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

| | |
|----------------|---------------|
| Incident ID | NCH1825456054 |
| District RP | 1RP-5190 |
| Facility ID | |
| Application ID | PCH1825457523 |

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Tom Bynum Title: EHS Consultant
Signature: *Tom Bynum* Date: 10/23/2020
email: tom.bynum@dvn.com Telephone: 575-748-2663

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Page 6

| | |
|----------------|---------------|
| Incident ID | NCH1825456054 |
| District RP | 1RP-5190 |
| Facility ID | |
| Application ID | PCH1825457523 |

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Tom Bynum Title: EHS Consultant
Signature: Tom Bynum Date: 10/23/2020
email: tom.bynum@dvn.com Telephone: 575-748-2663

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

APPENDIX B

NMOSE WELLS REPORT



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the
POD suffix indicates the
POD has been replaced
& no longer serves a
water right file.)

(R=POD has been
replaced,
O=orphaned,
C=the file is
closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

| POD Number | Code | POD Sub- basin | County | Q 64 | Q 16 | Q 4 | Sec | Tws | Rng | X | Y | Distance | DepthWell | DepthWater | Water Column |
|-------------------------------|------|----------------------|--------|------|------|-----|-----|-----|-----|--------|---------|----------|-----------|------------|-----------------|
| CP 00556 POD1 | | CP | LE | 4 | 4 | 3 | 08 | 23S | 34E | 641762 | 3576206 | 1746 | 497 | 255 | 242 |
| C 04353 POD1 | | CUB | ED | 4 | 2 | 2 | 24 | 23S | 33E | 639474 | 3574098 | 2137 | 603 | 330 | 273 |
| CP 01730 POD1 | | CP | LE | 2 | 2 | 1 | 16 | 23S | 34E | 643549 | 3575824 | 2390 | 594 | 200 | 394 |
| CP 01760 POD1 | | CP | LE | 3 | 1 | 2 | 16 | 23S | 34E | 643627 | 3575897 | 2496 | 767 | 290 | 477 |

Average Depth to Water: **268 feet**

Minimum Depth: **200 feet**

Maximum Depth: **330 feet**

Record Count: 4

UTMNAD83 Radius Search (in meters):

Easting (X): 641579.66

Northing (Y): 3574469.199

Radius: 2500

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

10/15/20 1:02 PM

WATER COLUMN/ AVERAGE DEPTH TO
WATER

APPENDIX C SAMPLING PROTOCOL & FIELD NOTES



Sampling Protocol

Representatives from SMA chose the Judgmental Sampling Method as described in EPA's Final Sampling Guidance for SW-846, 2002 to adequately quantify contaminant concentrations on Cotton Draw Unit #294H Location. The utility of this particular method functions on the sufficient knowledge of the contaminant, which we possess. This design is also useful when identifying the composition of a release, which we have documented. In addition, this sampling design was chosen for this project because of the locations uniform soil type, and the several operational considerations (such as the liner within the battery and the construction of a new facility) that precluded the implementation of a different statistical design.

The soil samples were collected in laboratory supplied containers in accordance with this sampling protocol, immediately placed on ice and sent under standard chain-of-custody protocols to Hall Environmental Analysis Laboratory (HEAL) in Albuquerque, New Mexico for analysis. A total of eight (8) samples were collected for laboratory analysis for total chloride using EPA Method 300.0; benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method 8021B; and motor, diesel and gasoline range organics (MRO, DRO, and GRO) by EPA Method 8015D.

Sampling Analysis Field Quality Assurance Procedures

A unique sample numbering was used to identify each sample collected and designated for on-site and off-site laboratory analysis. The purpose of this numbering scheme was to provide a tracking system for the retrieval of analytical and field data on each sample. Sample identification numbers were recorded on sample labels or tags, field notes, chain-of-custody records (COC) and all other applicable documentation used during the project. Sample labels were affixed to all sample containers during sampling activities. Information was recorded on each sample container label at the time of sample collection. The information recorded on the labels were as follows: sample identification number; sample type (discrete or composite); site name and area/location number; analysis to be performed; type of chemical preservative present in container; date and time of sample collection; and sample collector's name and initials. All samples were packed in ice in an approved rigid body container, custody sealed signed and shipped to the appropriate laboratory via insured courier service.

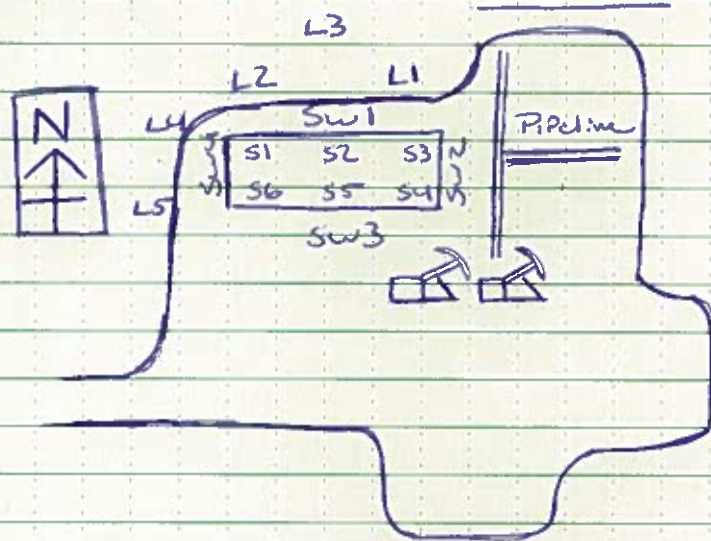
COC procedures implemented for the project provided documentation of the handling of each sample from the time of collection until completion of laboratory analysis. A COC form serves as a legal record of possession of the sample. A sample is considered to be under custody if one or more of the following criteria are met: the sample is in the sampler's possession; the sample is in the sampler's view after being in possession; the sample was in the sampler's possession and then was placed into a locked area to prevent tampering; and/or the sample is in a designated secure area. Custody was documented throughout the project field sampling activities by a chain-of custody form initiated each day during which samples are collected. Container custody seals placed on either individual samples or on the rigid body container were used to ensure that no sample tampering occurs between the time the samples are placed into the containers and the time the containers are opened for analysis at the laboratory. Container custody seals were signed and dated by the individual responsible for completing the COC form contained within the container.

White Dove 17
Federal Com 2H/3H
8/24/20

Samples were taken at White Dove 17 Federal Com 2H/3H in order to delineate spills that occurred in 2018. Pasture Samples tested clean of Chlorides + TPH. Attention was focused on northwest corner of pool to further isolate area of Spill. A total of Six Sample locations were investigated with a rock-bar and hand auger from surface level to depths of 1-foot bgs. Surface Samples tested high for Chloride and TPH contamination, but were found to test at an acceptable NMOC criteria. Pasture Samples L1-L5 will be used to show that the Pasture location has not been compromised. Samples S1-S6 will be used to show vertical delineation, and SW1-SW4 are used to show horizontal delineation.

Soil Types: Pasture: Fine-grained Silty Sand with limited organic material.

On-Pool: First few inches of Pool Soil are a poorly-sorted limestone gravel mix. Soil becomes more sandy and well-sorted at 1'.

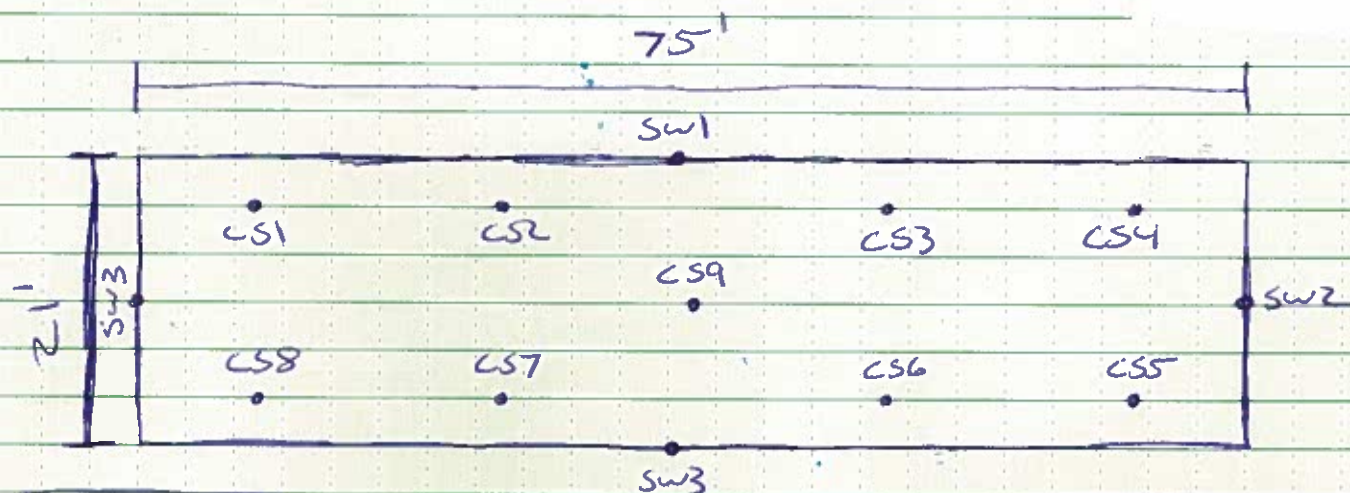


White Dove 17
Federal Com 2H/3H
10/21/20

Excavation:

Arrived at 9am and met with MMX crew to discuss excavation. Used white marking paint to display area of excavation around initial sample locations S1-S6. Did not start dig until 9:30am in order to wait for OCD. They did not arrive, so excavation began. Provided manifests for crew to dispose of Contaminated Soil at Northern Delaware Beside Landfill.

Total excavation measured at 21' x 75' x 1.5'. A total of nine Confirmation Samples were taken at the base of pit, while (4) for Steelwalls Confirmation Samples were taken. Cleared away detritus left over from excavation before Samples were collected.



Soil type: First few inches are poorly sorted limestone gravel. 1' and beyond were fine grained and well sorted reddish brown sand.



CS1-CS9 = collected @ 1.5' bgs

SW1-SW4 = collected @ 0-1.5 bgs

APPENDIX D LABORATORY ANALYTICAL REPORTS



Analytical Report

Report Summary

Client: Souder Miller Associates - Carlsbad

Samples Received: 8/26/2020

Job Number: 19026-0001

Work Order: P008088

Project Name/Location: White Dove 17 Fed Com
#2 &3

Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Walter Hinchman', is written over a light blue rectangular background.

Date: 9/1/20

Walter Hinchman, Laboratory Director



Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.
Statement of Data Authenticity: Envirotech, Inc. attests the data reported has not been altered in any way.
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Envirotech, Inc. holds the Utah TNI certification NM009792018-1 for the data reported.
Envirotech, Inc. holds the Texas TNI certification T104704557-19-2 for the data reported.





Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: White Dove 17 Fed Com #2 &3
Project Number: 19026-0001
Project Manager: Ashley Maxwell

Reported:
09/01/20 14:47

Sample Summary

| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
|------------------|---------------|--------|----------|----------|------------------|
| L1-Surface | P008088-01A | Soil | 08/24/20 | 08/26/20 | Glass Jar, 4 oz. |
| L2-Surface | P008088-02A | Soil | 08/24/20 | 08/26/20 | Glass Jar, 4 oz. |
| L3-Surface | P008088-03A | Soil | 08/24/20 | 08/26/20 | Glass Jar, 4 oz. |
| L4-Surface | P008088-04A | Soil | 08/24/20 | 08/26/20 | Glass Jar, 4 oz. |
| L5-Surface | P008088-05A | Soil | 08/24/20 | 08/26/20 | Glass Jar, 4 oz. |
| S1-Surface | P008088-06A | Soil | 08/24/20 | 08/26/20 | Glass Jar, 4 oz. |
| S1-1' | P008088-07A | Soil | 08/24/20 | 08/26/20 | Glass Jar, 4 oz. |
| S2-Surface | P008088-08A | Soil | 08/24/20 | 08/26/20 | Glass Jar, 4 oz. |
| S2-1' | P008088-09A | Soil | 08/24/20 | 08/26/20 | Glass Jar, 4 oz. |
| S3- Surface | P008088-10A | Soil | 08/24/20 | 08/26/20 | Glass Jar, 4 oz. |
| S3-1 | P008088-11A | Soil | 08/24/20 | 08/26/20 | Glass Jar, 4 oz. |
| S4-Surface | P008088-12A | Soil | 08/24/20 | 08/26/20 | Glass Jar, 4 oz. |
| S4-1' | P008088-13A | Soil | 08/24/20 | 08/26/20 | Glass Jar, 4 oz. |
| S5-Surface | P008088-14A | Soil | 08/24/20 | 08/26/20 | Glass Jar, 4 oz. |
| S6-Surface | P008088-15A | Soil | 08/24/20 | 08/26/20 | Glass Jar, 4 oz. |
| SW1 | P008088-16A | Soil | 08/24/20 | 08/26/20 | Glass Jar, 4 oz. |
| SW2 | P008088-17A | Soil | 08/24/20 | 08/26/20 | Glass Jar, 4 oz. |
| SW3 | P008088-18A | Soil | 08/24/20 | 08/26/20 | Glass Jar, 4 oz. |
| SW4 | P008088-19A | Soil | 08/24/20 | 08/26/20 | Glass Jar, 4 oz. |

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Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: White Dove 17 Fed Com #2 &3
Project Number: 19026-0001
Project Manager: Ashley Maxwell

Reported:
09/01/20 14:47

L1-Surface
P008088-01 (Solid)

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|----------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | | | Batch: 2035031 |
| Benzene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Toluene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/27/20 | 08/31/20 | |
| o-Xylene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Surrogate: 4-Bromochlorobenzene-PID | 99.4 % | 50-150 | | 08/27/20 | 08/31/20 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | | | Batch: 2035031 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/27/20 | 08/31/20 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 87.4 % | 50-150 | | 08/27/20 | 08/31/20 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | | | Batch: 2035035 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 08/27/20 | 08/28/20 | |
| Oil Range Organics (C28-C40) | ND | 50.0 | 1 | 08/27/20 | 08/28/20 | |
| Surrogate: n-Nonane | 99.2 % | 50-200 | | 08/27/20 | 08/28/20 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | | | Batch: 2035032 |
| Chloride | 45.6 | 20.0 | 1 | 08/27/20 | 08/28/20 | |

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| | | |
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| Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220 | Project Name: White Dove 17 Fed Com #2 &3 Project Number: 19026-0001 Project Manager: Ashley Maxwell | Reported: 09/01/20 14:47 |
|--|--|-----------------------------|

**L2-Surface
P008088-02 (Solid)**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|----------|----------|----------------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | | | | Batch: 2035031 |
| Benzene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Toluene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/27/20 | 08/31/20 | |
| o-Xylene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Surrogate: 4-Bromochlorobenzene-PID | 98.3 % | 50-150 | | 08/27/20 | 08/31/20 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | | | Batch: 2035031 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/27/20 | 08/31/20 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 86.5 % | 50-150 | | 08/27/20 | 08/31/20 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | | | Batch: 2035035 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 08/27/20 | 08/28/20 | |
| Oil Range Organics (C28-C40) | ND | 50.0 | 1 | 08/27/20 | 08/28/20 | |
| Surrogate: n-Nonane | 98.5 % | 50-200 | | 08/27/20 | 08/28/20 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | | | Batch: 2035032 |
| Chloride | 20.7 | 20.0 | 1 | 08/27/20 | 08/28/20 | |

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| Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220 | Project Name: White Dove 17 Fed Com #2 &3 Project Number: 19026-0001 Project Manager: Ashley Maxwell | Reported: 09/01/20 14:47 |
|--|--|-----------------------------|

**L3-Surface
P008088-03 (Solid)**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|----------|----------|----------------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | | | | Batch: 2035031 |
| Benzene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Toluene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/27/20 | 08/31/20 | |
| o-Xylene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Surrogate: 4-Bromochlorobenzene-PID | 98.8 % | 50-150 | | 08/27/20 | 08/31/20 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | | | Batch: 2035031 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/27/20 | 08/31/20 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 87.8 % | 50-150 | | 08/27/20 | 08/31/20 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | | | Batch: 2035035 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 08/27/20 | 08/28/20 | |
| Oil Range Organics (C28-C40) | ND | 50.0 | 1 | 08/27/20 | 08/28/20 | |
| Surrogate: n-Nonane | 102 % | 50-200 | | 08/27/20 | 08/28/20 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | | | Batch: 2035032 |
| Chloride | ND | 20.0 | 1 | 08/27/20 | 08/28/20 | |

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| | | |
|--|--|-----------------------------|
| Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220 | Project Name: White Dove 17 Fed Com #2 &3 Project Number: 19026-0001 Project Manager: Ashley Maxwell | Reported: 09/01/20 14:47 |
|--|--|-----------------------------|

**L4-Surface
P008088-04 (Solid)**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|----------|----------|----------------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | | | | Batch: 2035031 |
| Benzene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Toluene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/27/20 | 08/31/20 | |
| o-Xylene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Surrogate: 4-Bromochlorobenzene-PID | 99.9 % | 50-150 | | 08/27/20 | 08/31/20 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | | | Batch: 2035031 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/27/20 | 08/31/20 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 87.8 % | 50-150 | | 08/27/20 | 08/31/20 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | | | Batch: 2035035 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 08/27/20 | 08/28/20 | |
| Oil Range Organics (C28-C40) | ND | 50.0 | 1 | 08/27/20 | 08/28/20 | |
| Surrogate: n-Nonane | 98.7 % | 50-200 | | 08/27/20 | 08/28/20 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | | | Batch: 2035032 |
| Chloride | 67.3 | 20.0 | 1 | 08/27/20 | 08/28/20 | |

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| | | |
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| Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220 | Project Name: White Dove 17 Fed Com #2 &3 Project Number: 19026-0001 Project Manager: Ashley Maxwell | Reported: 09/01/20 14:47 |
|--|--|-----------------------------|

**L5-Surface
P008088-05 (Solid)**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|----------|----------|----------------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | | | | Batch: 2035031 |
| Benzene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Toluene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/27/20 | 08/31/20 | |
| o-Xylene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Surrogate: 4-Bromochlorobenzene-PID | | 101 % | 50-150 | 08/27/20 | 08/31/20 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | | | Batch: 2035031 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/27/20 | 08/31/20 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 89.6 % | 50-150 | 08/27/20 | 08/31/20 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | | | Batch: 2035035 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 08/27/20 | 08/28/20 | |
| Oil Range Organics (C28-C40) | ND | 50.0 | 1 | 08/27/20 | 08/28/20 | |
| Surrogate: n-Nonane | | 103 % | 50-200 | 08/27/20 | 08/28/20 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | | | Batch: 2035032 |
| Chloride | ND | 20.0 | 1 | 08/27/20 | 08/28/20 | |

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| | | | |
|-------------------------------------|------------------|-----------------------------|------------------------------------|
| Souder Miller Associates - Carlsbad | Project Name: | White Dove 17 Fed Com #2 &3 | Reported: 09/01/20 14:47 |
| 201 S Halagueno St. | Project Number: | 19026-0001 | |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | |

S1-Surface
P008088-06 (Solid)

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---------------|-----------------|----------|----------|----------|----------------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | | | | Batch: 2035031 |
| Benzene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Toluene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/27/20 | 08/31/20 | |
| o-Xylene | 0.0497 | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Total Xylenes | 0.0497 | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | 99.8 % | 50-150 | 08/27/20 | 08/31/20 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | | | Batch: 2035031 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/27/20 | 08/31/20 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | 86.4 % | 50-150 | 08/27/20 | 08/31/20 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | | | Batch: 2035035 |
| Diesel Range Organics (C10-C28) | 133 | 25.0 | 1 | 08/27/20 | 08/28/20 | |
| Oil Range Organics (C28-C40) | 767 | 50.0 | 1 | 08/27/20 | 08/28/20 | |
| <i>Surrogate: n-Nonane</i> | | 102 % | 50-200 | 08/27/20 | 08/28/20 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | | | Batch: 2035032 |
| Chloride | 401 | 20.0 | 1 | 08/27/20 | 08/28/20 | |

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| Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220 | Project Name: White Dove 17 Fed Com #2 &3 Project Number: 19026-0001 Project Manager: Ashley Maxwell | Reported: 09/01/20 14:47 |
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S1-1'
P008088-07 (Solid)

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|----------|----------|----------------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | | | | Batch: 2035031 |
| Benzene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Toluene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/27/20 | 08/31/20 | |
| o-Xylene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Surrogate: 4-Bromochlorobenzene-PID | 99.0 % | 50-150 | | 08/27/20 | 08/31/20 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | | | Batch: 2035031 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/27/20 | 08/31/20 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 87.2 % | 50-150 | | 08/27/20 | 08/31/20 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | | | Batch: 2035035 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 08/27/20 | 08/28/20 | |
| Oil Range Organics (C28-C40) | ND | 50.0 | 1 | 08/27/20 | 08/28/20 | |
| Surrogate: n-Nonane | 104 % | 50-200 | | 08/27/20 | 08/28/20 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | | | Batch: 2035032 |
| Chloride | 113 | 20.0 | 1 | 08/27/20 | 08/28/20 | |

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| Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220 | Project Name: White Dove 17 Fed Com #2 &3 Project Number: 19026-0001 Project Manager: Ashley Maxwell | Reported: 09/01/20 14:47 |
|--|--|-----------------------------|

S2-Surface
P008088-08 (Solid)

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|----------|----------|----------------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | | | | Batch: 2035031 |
| Benzene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Toluene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/27/20 | 08/31/20 | |
| o-Xylene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Surrogate: 4-Bromochlorobenzene-PID | 98.9 % | 50-150 | | 08/27/20 | 08/31/20 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | | | Batch: 2035031 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/27/20 | 08/31/20 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 88.2 % | 50-150 | | 08/27/20 | 08/31/20 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | | | Batch: 2035035 |
| Diesel Range Organics (C10-C28) | 50.2 | 25.0 | 1 | 08/27/20 | 08/28/20 | |
| Oil Range Organics (C28-C40) | 155 | 50.0 | 1 | 08/27/20 | 08/28/20 | |
| Surrogate: n-Nonane | 106 % | 50-200 | | 08/27/20 | 08/28/20 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | | | Batch: 2035032 |
| Chloride | 1180 | 20.0 | 1 | 08/27/20 | 08/28/20 | |

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| Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220 | Project Name: White Dove 17 Fed Com #2 &3 Project Number: 19026-0001 Project Manager: Ashley Maxwell | Reported: 09/01/20 14:47 |
|--|--|-----------------------------|

S2-1'
P008088-09 (Solid)

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|----------|----------|----------------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | | | | Batch: 2035031 |
| Benzene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Toluene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/27/20 | 08/31/20 | |
| o-Xylene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Surrogate: 4-Bromochlorobenzene-PID | 98.3 % | 50-150 | | 08/27/20 | 08/31/20 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | | | Batch: 2035031 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/27/20 | 08/31/20 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 87.8 % | 50-150 | | 08/27/20 | 08/31/20 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | | | Batch: 2035035 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 08/27/20 | 08/28/20 | |
| Oil Range Organics (C28-C40) | ND | 50.0 | 1 | 08/27/20 | 08/28/20 | |
| Surrogate: n-Nonane | 94.9 % | 50-200 | | 08/27/20 | 08/28/20 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | | | Batch: 2035032 |
| Chloride | 113 | 20.0 | 1 | 08/27/20 | 08/28/20 | |

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| Souder Miller Associates - Carlsbad | Project Name: | White Dove 17 Fed Com #2 &3 | Reported: 09/01/20 14:47 |
| 201 S Halagueno St. | Project Number: | 19026-0001 | |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | |

S3- Surface
P008088-10 (Solid)

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|----------|----------|----------------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | | | | Batch: 2035031 |
| Benzene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Toluene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/27/20 | 08/31/20 | |
| o-Xylene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | 98.8 % | 50-150 | 08/27/20 | 08/31/20 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | | | Batch: 2035031 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/27/20 | 08/31/20 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | 90.6 % | 50-150 | 08/27/20 | 08/31/20 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | | | Batch: 2035035 |
| Diesel Range Organics (C10-C28) | 141 | 25.0 | 1 | 08/27/20 | 08/29/20 | |
| Oil Range Organics (C28-C40) | 178 | 50.0 | 1 | 08/27/20 | 08/29/20 | |
| <i>Surrogate: n-Nonane</i> | | 101 % | 50-200 | 08/27/20 | 08/29/20 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | | | Batch: 2035032 |
| Chloride | 771 | 20.0 | 1 | 08/27/20 | 08/28/20 | |

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| Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220 | Project Name: White Dove 17 Fed Com #2 &3 Project Number: 19026-0001 Project Manager: Ashley Maxwell | Reported: 09/01/20 14:47 |
|--|--|-----------------------------|

S3-1
P008088-11 (Solid)

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|----------|----------|----------------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | | | | Batch: 2035031 |
| Benzene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Toluene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/27/20 | 08/31/20 | |
| o-Xylene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Surrogate: 4-Bromochlorobenzene-PID | 97.5 % | 50-150 | | 08/27/20 | 08/31/20 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | | | Batch: 2035031 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/27/20 | 08/31/20 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 87.3 % | 50-150 | | 08/27/20 | 08/31/20 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | | | Batch: 2035035 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 08/27/20 | 08/29/20 | |
| Oil Range Organics (C28-C40) | ND | 50.0 | 1 | 08/27/20 | 08/29/20 | |
| Surrogate: n-Nonane | 108 % | 50-200 | | 08/27/20 | 08/29/20 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | | | Batch: 2035032 |
| Chloride | 299 | 20.0 | 1 | 08/27/20 | 08/28/20 | |

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| Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220 | Project Name: White Dove 17 Fed Com #2 &3 Project Number: 19026-0001 Project Manager: Ashley Maxwell | Reported: 09/01/20 14:47 |
|--|--|-----------------------------|

S4-Surface
P008088-12 (Solid)

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|----------|----------|----------------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | | | | Batch: 2035031 |
| Benzene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Toluene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/27/20 | 08/31/20 | |
| o-Xylene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Surrogate: 4-Bromochlorobenzene-PID | 98.6 % | 50-150 | | 08/27/20 | 08/31/20 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | | | Batch: 2035031 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/27/20 | 08/31/20 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 88.6 % | 50-150 | | 08/27/20 | 08/31/20 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | | | Batch: 2035035 |
| Diesel Range Organics (C10-C28) | 88.5 | 25.0 | 1 | 08/27/20 | 08/29/20 | |
| Oil Range Organics (C28-C40) | 110 | 50.0 | 1 | 08/27/20 | 08/29/20 | |
| Surrogate: n-Nonane | 102 % | 50-200 | | 08/27/20 | 08/29/20 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | | | Batch: 2035032 |
| Chloride | 1080 | 20.0 | 1 | 08/27/20 | 08/28/20 | |

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| Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220 | Project Name: White Dove 17 Fed Com #2 &3 Project Number: 19026-0001 Project Manager: Ashley Maxwell | Reported: 09/01/20 14:47 |
|--|--|-----------------------------|

S4-1'
P008088-13 (Solid)

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|----------|----------|----------------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | | | | Batch: 2035031 |
| Benzene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Toluene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/27/20 | 08/31/20 | |
| o-Xylene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Surrogate: 4-Bromochlorobenzene-PID | 94.8 % | 50-150 | | 08/27/20 | 08/31/20 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | | | Batch: 2035031 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/27/20 | 08/31/20 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 88.8 % | 50-150 | | 08/27/20 | 08/31/20 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | | | Batch: 2035035 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 08/27/20 | 08/29/20 | |
| Oil Range Organics (C28-C40) | ND | 50.0 | 1 | 08/27/20 | 08/29/20 | |
| Surrogate: n-Nonane | 95.5 % | 50-200 | | 08/27/20 | 08/29/20 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | | | Batch: 2035032 |
| Chloride | 271 | 20.0 | 1 | 08/27/20 | 08/28/20 | |

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| Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220 | Project Name: White Dove 17 Fed Com #2 &3 Project Number: 19026-0001 Project Manager: Ashley Maxwell | Reported: 09/01/20 14:47 |
|--|--|-----------------------------|

S5-Surface
P008088-14 (Solid)

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|----------|----------|----------------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | | | | Batch: 2035031 |
| Benzene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Toluene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/27/20 | 08/31/20 | |
| o-Xylene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Surrogate: 4-Bromochlorobenzene-PID | 99.6 % | 50-150 | | 08/27/20 | 08/31/20 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | | | Batch: 2035031 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/27/20 | 08/31/20 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 88.0 % | 50-150 | | 08/27/20 | 08/31/20 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | | | Batch: 2035035 |
| Diesel Range Organics (C10-C28) | 120 | 25.0 | 1 | 08/27/20 | 08/29/20 | |
| Oil Range Organics (C28-C40) | 202 | 50.0 | 1 | 08/27/20 | 08/29/20 | |
| Surrogate: n-Nonane | 106 % | 50-200 | | 08/27/20 | 08/29/20 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | | | Batch: 2035032 |
| Chloride | 67.8 | 20.0 | 1 | 08/27/20 | 08/29/20 | |

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| Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220 | Project Name: White Dove 17 Fed Com #2 &3 Project Number: 19026-0001 Project Manager: Ashley Maxwell | Reported: 09/01/20 14:47 |
|--|--|-----------------------------|

**S6-Surface
P008088-15 (Solid)**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|----------|----------|----------------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | | | | Batch: 2035031 |
| Benzene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Toluene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/27/20 | 08/31/20 | |
| o-Xylene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Surrogate: 4-Bromochlorobenzene-PID | 99.6 % | 50-150 | | 08/27/20 | 08/31/20 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | | | Batch: 2035031 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/27/20 | 08/31/20 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 86.4 % | 50-150 | | 08/27/20 | 08/31/20 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | | | Batch: 2035035 |
| Diesel Range Organics (C10-C28) | 44.5 | 25.0 | 1 | 08/27/20 | 08/29/20 | |
| Oil Range Organics (C28-C40) | 94.4 | 50.0 | 1 | 08/27/20 | 08/29/20 | |
| Surrogate: n-Nonane | 104 % | 50-200 | | 08/27/20 | 08/29/20 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | | | Batch: 2035032 |
| Chloride | 83.8 | 20.0 | 1 | 08/27/20 | 08/29/20 | |

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| Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220 | Project Name: White Dove 17 Fed Com #2 &3 Project Number: 19026-0001 Project Manager: Ashley Maxwell | Reported: 09/01/20 14:47 |
|--|--|-----------------------------|

SW1
P008088-16 (Solid)

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|----------|----------|----------------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | | | | Batch: 2035031 |
| Benzene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Toluene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/27/20 | 08/31/20 | |
| o-Xylene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Surrogate: 4-Bromochlorobenzene-PID | 99.6 % | 50-150 | | 08/27/20 | 08/31/20 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | | | Batch: 2035031 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/27/20 | 08/31/20 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 89.2 % | 50-150 | | 08/27/20 | 08/31/20 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | | | Batch: 2035035 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 08/27/20 | 08/29/20 | |
| Oil Range Organics (C28-C40) | ND | 50.0 | 1 | 08/27/20 | 08/29/20 | |
| Surrogate: n-Nonane | 112 % | 50-200 | | 08/27/20 | 08/29/20 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | | | Batch: 2035032 |
| Chloride | ND | 20.0 | 1 | 08/27/20 | 08/29/20 | |

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| Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220 | Project Name: White Dove 17 Fed Com #2 &3 Project Number: 19026-0001 Project Manager: Ashley Maxwell | Reported: 09/01/20 14:47 |
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SW2
P008088-17 (Solid)

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|----------|----------|----------------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | | | | Batch: 2035031 |
| Benzene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Toluene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/27/20 | 08/31/20 | |
| o-Xylene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Surrogate: 4-Bromochlorobenzene-PID | | 100 % | 50-150 | 08/27/20 | 08/31/20 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | | | Batch: 2035031 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/27/20 | 08/31/20 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 85.5 % | 50-150 | 08/27/20 | 08/31/20 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | | | Batch: 2035035 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 08/27/20 | 08/29/20 | |
| Oil Range Organics (C28-C40) | ND | 50.0 | 1 | 08/27/20 | 08/29/20 | |
| Surrogate: n-Nonane | | 106 % | 50-200 | 08/27/20 | 08/29/20 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | | | Batch: 2035032 |
| Chloride | ND | 20.0 | 1 | 08/27/20 | 08/29/20 | |

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| | | |
|--|--|-----------------------------|
| Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220 | Project Name: White Dove 17 Fed Com #2 &3 Project Number: 19026-0001 Project Manager: Ashley Maxwell | Reported: 09/01/20 14:47 |
|--|--|-----------------------------|

SW3
P008088-18 (Solid)

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|----------|----------|----------------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | | | | Batch: 2035031 |
| Benzene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Toluene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/27/20 | 08/31/20 | |
| o-Xylene | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/27/20 | 08/31/20 | |
| Surrogate: 4-Bromochlorobenzene-PID | | 101 % | 50-150 | 08/27/20 | 08/31/20 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | | | Batch: 2035031 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/27/20 | 08/31/20 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 89.0 % | 50-150 | 08/27/20 | 08/31/20 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | | | Batch: 2035035 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 08/27/20 | 08/29/20 | |
| Oil Range Organics (C28-C40) | ND | 50.0 | 1 | 08/27/20 | 08/29/20 | |
| Surrogate: n-Nonane | | 105 % | 50-200 | 08/27/20 | 08/29/20 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | | | Batch: 2035032 |
| Chloride | 36.2 | 20.0 | 1 | 08/27/20 | 08/29/20 | |

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|--|--|-----------------------------|
| Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220 | Project Name: White Dove 17 Fed Com #2 &3 Project Number: 19026-0001 Project Manager: Ashley Maxwell | Reported: 09/01/20 14:47 |
|--|--|-----------------------------|

SW4
P008088-19 (Solid)

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|----------|----------|----------------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | | | | Batch: 2035031 |
| Benzene | ND | 0.0250 | 1 | 08/27/20 | 09/01/20 | |
| Toluene | ND | 0.0250 | 1 | 08/27/20 | 09/01/20 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/27/20 | 09/01/20 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/27/20 | 09/01/20 | |
| o-Xylene | ND | 0.0250 | 1 | 08/27/20 | 09/01/20 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/27/20 | 09/01/20 | |
| Surrogate: 4-Bromochlorobenzene-PID | | 101 % | 50-150 | 08/27/20 | 09/01/20 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | | | Batch: 2035031 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/27/20 | 09/01/20 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 87.5 % | 50-150 | 08/27/20 | 09/01/20 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | | | Batch: 2035035 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 08/27/20 | 08/29/20 | |
| Oil Range Organics (C28-C40) | ND | 50.0 | 1 | 08/27/20 | 08/29/20 | |
| Surrogate: n-Nonane | | 112 % | 50-200 | 08/27/20 | 08/29/20 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | | | Batch: 2035032 |
| Chloride | ND | 20.0 | 1 | 08/27/20 | 08/29/20 | |

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| Souder Miller Associates - Carlsbad | Project Name: | White Dove 17 Fed Com #2 &3 | |
| 201 S Halagueno St. | Project Number: | 19026-0001 | Reported: |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 09/01/20 14:47 |

Volatile Organics by EPA 8021B - Quality Control

| Analyte | Result | Reporting Limit | Spike Level | Source Result | REC | REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------------|---------------|-----|------------|-----|-----------|-------|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |

Blank (2035031-BLK1)

Prepared: 08/27/20 1 Analyzed: 08/31/20 1

| | | | | | | | | | |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| Benzene | ND | 0.0250 | | | | | | | |
| Toluene | ND | 0.0250 | | | | | | | |
| Ethylbenzene | ND | 0.0250 | | | | | | | |
| p,m-Xylene | ND | 0.0500 | | | | | | | |
| o-Xylene | ND | 0.0250 | | | | | | | |
| Total Xylenes | ND | 0.0250 | | | | | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.75 | | 8.00 | | 96.9 | 50-150 | | | |

LCS (2035031-BS1)

Prepared: 08/27/20 1 Analyzed: 08/31/20 1

| | | | | | | | | | |
|-------------------------------------|------|--------|------|--|-----|--------|--|--|--|
| Benzene | 5.07 | 0.0250 | 5.00 | | 101 | 70-130 | | | |
| Toluene | 5.10 | 0.0250 | 5.00 | | 102 | 70-130 | | | |
| Ethylbenzene | 5.08 | 0.0250 | 5.00 | | 102 | 70-130 | | | |
| p,m-Xylene | 10.3 | 0.0500 | 10.0 | | 103 | 70-130 | | | |
| o-Xylene | 5.13 | 0.0250 | 5.00 | | 103 | 70-130 | | | |
| Total Xylenes | 15.4 | 0.0250 | 15.0 | | 103 | 70-130 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 8.28 | | 8.00 | | 103 | 50-150 | | | |

Matrix Spike (2035031-MS1)

Source: P008088-01

Prepared: 08/27/20 1 Analyzed: 08/31/20 1

| | | | | | | | | | |
|-------------------------------------|------|--------|------|----|-----|--------|--|--|--|
| Benzene | 5.36 | 0.0250 | 5.00 | ND | 107 | 54-133 | | | |
| Toluene | 5.39 | 0.0250 | 5.00 | ND | 108 | 61-130 | | | |
| Ethylbenzene | 5.35 | 0.0250 | 5.00 | ND | 107 | 61-133 | | | |
| p,m-Xylene | 10.8 | 0.0500 | 10.0 | ND | 108 | 63-131 | | | |
| o-Xylene | 5.40 | 0.0250 | 5.00 | ND | 108 | 63-131 | | | |
| Total Xylenes | 16.2 | 0.0250 | 15.0 | ND | 108 | 63-131 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 8.13 | | 8.00 | | 102 | 50-150 | | | |

Matrix Spike Dup (2035031-MSD1)

Source: P008088-01

Prepared: 08/27/20 1 Analyzed: 08/31/20 1

| | | | | | | | | | |
|-------------------------------------|------|--------|------|----|------|--------|------|----|--|
| Benzene | 4.92 | 0.0250 | 5.00 | ND | 98.5 | 54-133 | 8.48 | 20 | |
| Toluene | 4.92 | 0.0250 | 5.00 | ND | 98.3 | 61-130 | 9.10 | 20 | |
| Ethylbenzene | 4.89 | 0.0250 | 5.00 | ND | 97.9 | 61-133 | 8.95 | 20 | |
| p,m-Xylene | 9.82 | 0.0500 | 10.0 | ND | 98.2 | 63-131 | 9.56 | 20 | |
| o-Xylene | 4.94 | 0.0250 | 5.00 | ND | 98.8 | 63-131 | 8.92 | 20 | |
| Total Xylenes | 14.8 | 0.0250 | 15.0 | ND | 98.4 | 63-131 | 9.35 | 20 | |
| Surrogate: 4-Bromochlorobenzene-PID | 8.01 | | 8.00 | | 100 | 50-150 | | | |

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| | | | |
|-------------------------------------|------------------|-----------------------------|------------------|
| Souder Miller Associates - Carlsbad | Project Name: | White Dove 17 Fed Com #2 &3 | |
| 201 S Halagueno St. | Project Number: | 19026-0001 | Reported: |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 09/01/20 14:47 |

Nonhalogenated Organics by EPA 8015D - GRO - Quality Control

| Analyte | Result | Reporting Limit | Spike Level | Source Result | REC | REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------------|---------------|-----|------------|-----|-----------|-------|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |

Blank (2035031-BLK1)

Prepared: 08/27/20 1 Analyzed: 08/31/20 1

| | | | | | | | | | |
|---|------|------|------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | | | | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.12 | | 8.00 | | 89.1 | 50-150 | | | |

LCS (2035031-BS2)

Prepared: 08/27/20 1 Analyzed: 08/31/20 1

| | | | | | | | | | |
|---|------|------|------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | 42.6 | 20.0 | 50.0 | | 85.3 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.18 | | 8.00 | | 89.8 | 50-150 | | | |

Matrix Spike (2035031-MS2)

Source: P008088-01

Prepared: 08/27/20 1 Analyzed: 08/31/20 1

| | | | | | | | | | |
|---|------|------|------|----|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | 45.3 | 20.0 | 50.0 | ND | 90.7 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.26 | | 8.00 | | 90.7 | 50-150 | | | |

Matrix Spike Dup (2035031-MSD2)

Source: P008088-01

Prepared: 08/27/20 1 Analyzed: 08/31/20 1

| | | | | | | | | | |
|---|------|------|------|----|------|--------|------|----|--|
| Gasoline Range Organics (C6-C10) | 41.3 | 20.0 | 50.0 | ND | 82.6 | 70-130 | 9.34 | 20 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.00 | | 8.00 | | 87.6 | 50-150 | | | |

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| | | | |
|-------------------------------------|------------------|-----------------------------|------------------|
| Souder Miller Associates - Carlsbad | Project Name: | White Dove 17 Fed Com #2 &3 | |
| 201 S Halagueno St. | Project Number: | 19026-0001 | Reported: |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 09/01/20 14:47 |

Nonhalogenated Organics by EPA 8015D - DRO/ORO - Quality Control

| Analyte | Result | Reporting Limit | Spike Level | Source Result | REC | REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------------|---------------|-----|------------|-----|-----------|-------|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |

Blank (2035035-BLK1)

Prepared: 08/27/20 1 Analyzed: 08/28/20 1

| | | | | | | | | | |
|---------------------------------|------|------|------|--|-----|--------|--|--|--|
| Diesel Range Organics (C10-C28) | ND | 25.0 | | | | | | | |
| Oil Range Organics (C28-C40) | ND | 50.0 | | | | | | | |
| Surrogate: n-Nonane | 53.8 | | 50.0 | | 108 | 50-200 | | | |

LCS (2035035-BS1)

Prepared: 08/27/20 1 Analyzed: 08/28/20 1

| | | | | | | | | | |
|---------------------------------|------|------|------|--|------|--------|--|--|--|
| Diesel Range Organics (C10-C28) | 495 | 25.0 | 500 | | 99.0 | 38-132 | | | |
| Surrogate: n-Nonane | 54.8 | | 50.0 | | 110 | 50-200 | | | |

Matrix Spike (2035035-MS1)

Source: P008088-01

Prepared: 08/27/20 1 Analyzed: 08/28/20 1

| | | | | | | | | | |
|---------------------------------|------|------|------|----|------|--------|--|--|--|
| Diesel Range Organics (C10-C28) | 473 | 25.0 | 500 | ND | 94.7 | 38-132 | | | |
| Surrogate: n-Nonane | 48.5 | | 50.0 | | 97.0 | 50-200 | | | |

Matrix Spike Dup (2035035-MSD1)

Source: P008088-01

Prepared: 08/27/20 1 Analyzed: 08/28/20 1

| | | | | | | | | | |
|---------------------------------|------|------|------|----|------|--------|-------|----|--|
| Diesel Range Organics (C10-C28) | 472 | 25.0 | 500 | ND | 94.4 | 38-132 | 0.281 | 20 | |
| Surrogate: n-Nonane | 53.8 | | 50.0 | | 108 | 50-200 | | | |

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|-------------------------------------|------------------|-----------------------------|------------------|
| Souder Miller Associates - Carlsbad | Project Name: | White Dove 17 Fed Com #2 &3 | |
| 201 S Halagueno St. | Project Number: | 19026-0001 | Reported: |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 09/01/20 14:47 |

Anions by EPA 300.0/9056A - Quality Control

| Analyte | Result | Reporting Limit | Spike Level | Source Result | REC | REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------------|---------------|-----|------------|-----|-----------|-------|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |

Blank (2035032-BLK1)

Prepared: 08/27/20 1 Analyzed: 08/28/20 1

| | | |
|----------|----|------|
| Chloride | ND | 20.0 |
|----------|----|------|

LCS (2035032-BS1)

Prepared: 08/27/20 1 Analyzed: 08/28/20 1

| | | | | | |
|----------|-----|------|-----|-----|--------|
| Chloride | 250 | 20.0 | 250 | 100 | 90-110 |
|----------|-----|------|-----|-----|--------|

Matrix Spike (2035032-MS1)

Source: P008088-01

Prepared: 08/27/20 1 Analyzed: 08/28/20 1

| | | | | | | |
|----------|-----|------|-----|------|-----|--------|
| Chloride | 309 | 20.0 | 250 | 45.6 | 105 | 80-120 |
|----------|-----|------|-----|------|-----|--------|

Matrix Spike Dup (2035032-MSD1)

Source: P008088-01

Prepared: 08/27/20 1 Analyzed: 08/28/20 1

| | | | | | | | | |
|----------|-----|------|-----|------|-----|--------|-------|----|
| Chloride | 308 | 20.0 | 250 | 45.6 | 105 | 80-120 | 0.276 | 20 |
|----------|-----|------|-----|------|-----|--------|-------|----|

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

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| | | | |
|-------------------------------------|------------------|-----------------------------|----------------|
| Souder Miller Associates - Carlsbad | Project Name: | White Dove 17 Fed Com #2 &3 | |
| 201 S Halagueno St. | Project Number: | 19026-0001 | Reported: |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 09/01/20 14:47 |

Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
 - NR Not Reported
 - RPD Relative Percent Difference
 - ** Methods marked with ** are non-accredited methods.
- Soil data is reported on an "as received" weight basis, unless reported otherwise.

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Project Information

Chain of Custody

Page 1 of 2

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|--------------|-----------|---------------|--------------|------------------|--------------------------|--|-----------|--|---|-----------------|-------------------------------|-------------|-------------|----------------|-----|----|-------------|------------|-------|--|--|--|
| Client: <u>SMA</u> | | | | | Bill To | | | | | Lab Use Only | | | | | | TAT | | EPA Program | | | | | |
| Project: <u>White Dove 17 Fed Com #223</u> | | | | | Attention: | | | | | Lab WO# | | Job Number | | | | 1D | 3D | RCRA | CWA | SDWA | | | |
| Project Manager: <u>Ashley Maxwell</u> | | | | | Address: | | | | | <u>P008088</u> | | <u>19026-0001</u> | | | | | | | | | | | |
| Address: <u>201 S. Halagueno St.</u> | | | | | City, State, Zip | | | | | Analysis and Method | | | | | | | | | | State | | | |
| City, State, Zip: <u>Carlsbad, NM 88220</u> | | | | | Phone: | | | | | DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | | | BGDOC - NM | BGDOC - TX | | | | |
| Phone: <u>(619) 721-4813</u> | | | | | Email: | | | | | | | | | | | | | | | | | | |
| Email: <u>Sebastian.Orozco@Sneidermiller.com</u> | | | | | Report due by: | | | | | | | | | | | | | | | | | | |
| Time Sampled | Date Sampled | Matrix | No Containers | Sample ID | Lab Number | | | | | | | | | | | | | | | | | | |
| 12:00 | 8/24/20 | Soil | 1-4c2 | L1 - Surface | 1 | | | | | X | | | | X | | | X | | | | | | |
| 12:05 | | | | L2 - Surface | 2 | | | | | | | | | | | | | | | | | | |
| 12:10 | | | | L3 - Surface | 3 | | | | | | | | | | | | | | | | | | |
| 12:15 | | | | L4 - Surface | 4 | | | | | | | | | | | | | | | | | | |
| 12:20 | | | | L5 - Surface | 5 | | | | | | | | | | | | | | | | | | |
| 12:30 | | | | S1 - Surface | 6 | | | | | | | | | | | | | | | | | | |
| 12:43 | | | | S1 - 1' | 7 | | | | | | | | | | | | | | | | | | |
| 12:35 | | | | S2 - Surface | 8 | | | | | | | | | | | | | | | | | | |
| 12:50 | | | | S2 - 1' | 9 | | | | | | | | | | | | | | | | | | |
| 12:40 | | | | S3 - Surface | 10 | | | | | | | | | | | | | | | | | | |
| Additional Instructions: | | | | | | | | | | | | | | | | | | | | | | | |
| Bill to Devon | | | | | | | | | | | | | | | | | | | | | | | |
| I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: <u>Sebastian Orozco (SO)</u> | | | | | | | | | | Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. | | | | | | | | | | | | | |
| Relinquished by: (Signature) | | Date | | Time | | Received by: (Signature) | | Date | | Time | | Lab Use Only | | | | | | | | | | | |
| <u>Sebastian O.</u> | | 8/25/20 | | 1309 | | <u>[Signature]</u> | | 8-25-2020 | | 1329 | | Received on ice: <u>Y</u> / N | | | | | | | | | | | |
| Relinquished by: (Signature) | | Date | | Time | | Received by: (Signature) | | Date | | Time | | T1 | | | | | | | | | | | |
| <u>[Signature]</u> | | 8-25-2020 | | 1636 | | <u>[Signature]</u> | | 8/26/20 | | 11:00 | | T2 | | | | | | | | | | | |
| Relinquished by: (Signature) | | Date | | Time | | Received by: (Signature) | | Date | | Time | | T3 | | | | | | | | | | | |
| <u>[Signature]</u> | | | | | | <u>[Signature]</u> | | | | | | AVG Temp °C <u>4.0</u> | | | | | | | | | | | |
| Sample Matrix: <u>S</u> - Soil, <u>Sd</u> - Solid, <u>Sg</u> - Sludge, <u>A</u> - Aqueous, <u>O</u> - Other | | | | | | | | | | Container Type: <u>g</u> - glass, <u>p</u> - poly/plastic, <u>ag</u> - amber glass, <u>v</u> - VOA | | | | | | | | | | | | | |
| Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report. | | | | | | | | | | | | | | | | | | | | | | | |

Project Information

Chain of Custody

Page 2 of 2

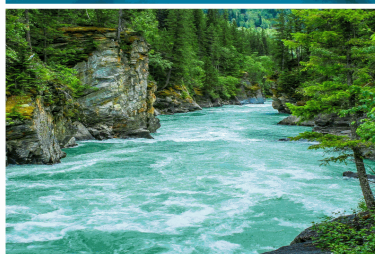
| | | | | | | | | | | | | | | | | | | | | | | | |
|---|--------------|-----------------------|---------------|------------------|----------------------|---|--|-----------------------|---|---|-----------------|--|-------------|-------------|----------------|----|-------------|------------|------------|-------|--|--|--|
| Client: <u>SMA</u> | | | | | Bill To | | | | | Lab Use Only | | | | | TAT | | EPA Program | | | | | | |
| Project: <u>White Dove 17 Fed Com #2 & 3</u> | | | | | Attention: _____ | | | | | Lab WO# | | Job Number | | | 1D | 3D | RCRA | CWA | SDWA | | | | |
| Project Manager: <u>Ashley Maxwell</u> | | | | | Address: _____ | | | | | <u>P008088</u> | | <u>190210-0001</u> | | | | | | | | | | | |
| Address: <u>201 S. Halagueno St.</u> | | | | | City, State, Zip | | | | | Analysis and Method | | | | | | | | | | State | | | |
| City, State, Zip <u>Carlsbad, NM 88220</u> | | | | | Phone: _____ | | | | | DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | | | BGDOC - NM | BGDOC - TX | | | | |
| Phone: <u>(609) 721-4813</u> | | | | | Email: _____ | | | | | | | | | | | | | | | | | | |
| Email: <u>Sebastian.Orocco@Sondermiller.com</u> | | | | | Report due by: _____ | | | | | | | | | | | | | | | | | | |
| Time Sampled | Date Sampled | Matrix | No Containers | Sample ID | Lab Number | | | | | | | | | | | | | | | | | | |
| 12:55 | 8/24/20 | Soil | 1-4oz | S3-1 | 11 | | | | X | | | | X | | | X | | | | | | | |
| 1:00 | | | | S4-Surface | 12 | | | | | | | | | | | | | | | | | | |
| 1:05 | | | | S4-1' | 13 | | | | | | | | | | | | | | | | | | |
| 1:10 | | | | S5-Surface | 14 | | | | | | | | | | | | | | | | | | |
| 1:15 | | | | S6-Surface | 15 | | | | | | | | | | | | | | | | | | |
| 1:20 | | | | SW1 | 16 | | | | | | | | | | | | | | | | | | |
| 1:30 | | | | SW2 | 17 | | | | | | | | | | | | | | | | | | |
| 1:35 | | | | SW3 | 18 | | | | | | | | | | | | | | | | | | |
| 1:38 | | | | SW4 | 19 | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| Additional Instructions: | | | | | | | | | | | | | | | | | | | | | | | |
| I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: <u>Sebastian Orocco (SO)</u> | | | | | | | | | | Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. | | | | | | | | | | | | | |
| Relinquished by: (Signature) <u>Sebastian O.</u> | | Date <u>8/25/20</u> | | Time <u>1309</u> | | Received by: (Signature) <u>[Signature]</u> | | Date <u>8-25-2020</u> | | Time <u>1309</u> | | Lab Use Only Received on ice: Y / N | | | | | | | | | | | |
| Relinquished by: (Signature) <u>[Signature]</u> | | Date <u>8/25/2020</u> | | Time <u>1636</u> | | Received by: (Signature) <u>[Signature]</u> | | Date | | Time | | T1 _____ T2 _____ T3 _____ | | | | | | | | | | | |
| Relinquished by: (Signature) <u>[Signature]</u> | | Date | | Time | | Received by: (Signature) | | Date | | Time | | AVG Temp °C _____ | | | | | | | | | | | |
| Sample Matrix <u>(S - Soil)</u> Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ | | | | | | | | | | Container Type <u>(g - glass)</u> p - poly/plastic, ag - amber glass, v - VOA | | | | | | | | | | | | | |
| Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report. | | | | | | | | | | | | | | | | | | | | | | | |

Report to:

Ashley Maxwell

201 S Halagueno St.

Carlsbad, NM 88220



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Souder Miller Associates - Carlsbad

Project Name: White Dove 17 Fed 2H + 3H

Work Order: E010019

Job Number: 01058-0007

Received: 10/6/2020

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/12/20

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM009792018-1 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557-19-2 for data reported.

Date Reported: 10/12/20

Ashley Maxwell
201 S Halagueno St.
Carlsbad, NM 88220



Project Name: White Dove 17 Fed 2H + 3H
Workorder: E010019
Date Received: 10/6/2020 9:35:00AM

Ashley Maxwell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/6/2020 9:35:00AM, under the Project Name: White Dove 17 Fed 2H + 3H.

The analytical test results summarized in this report with the Project Name: White Dove 17 Fed 2H + 3H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

| | | | |
|-------------------------------------|------------------|---------------------------|----------------|
| Souder Miller Associates - Carlsbad | Project Name: | White Dove 17 Fed 2H + 3H | Reported: |
| 201 S Halagueno St. | Project Number: | 01058-0007 | |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 10/12/20 13:30 |

| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
|------------------|---------------|--------|----------|----------|------------------|
| CS1 | E010019-01A | Soil | 10/02/20 | 10/06/20 | Glass Jar, 4 oz. |
| CS2 | E010019-02A | Soil | 10/02/20 | 10/06/20 | Glass Jar, 4 oz. |
| CS3 | E010019-03A | Soil | 10/02/20 | 10/06/20 | Glass Jar, 4 oz. |
| CS4 | E010019-04A | Soil | 10/02/20 | 10/06/20 | Glass Jar, 4 oz. |
| CS5 | E010019-05A | Soil | 10/02/20 | 10/06/20 | Glass Jar, 4 oz. |
| CS6 | E010019-06A | Soil | 10/02/20 | 10/06/20 | Glass Jar, 4 oz. |
| CS7 | E010019-07A | Soil | 10/02/20 | 10/06/20 | Glass Jar, 4 oz. |
| CS8 | E010019-08A | Soil | 10/02/20 | 10/06/20 | Glass Jar, 4 oz. |
| CS9 | E010019-09A | Soil | 10/02/20 | 10/06/20 | Glass Jar, 4 oz. |
| SW1 | E010019-10A | Soil | 10/02/20 | 10/06/20 | Glass Jar, 4 oz. |
| SW2 | E010019-11A | Soil | 10/02/20 | 10/06/20 | Glass Jar, 4 oz. |
| SW3 | E010019-12A | Soil | 10/02/20 | 10/06/20 | Glass Jar, 4 oz. |
| SW4 | E010019-13A | Soil | 10/02/20 | 10/06/20 | Glass Jar, 4 oz. |



Sample Data

| | | |
|--|--|--|
| Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220 | Project Name: White Dove 17 Fed 2H + 3H Project Number: 01058-0007 Project Manager: Ashley Maxwell | Reported: 10/12/2020 1:30:39PM |
|--|--|--|

CS1

E010019-01

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|-------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analyst: RS | | Batch: 2041018 | |
| Benzene | ND | 0.0250 | 1 | 10/07/20 | 10/08/20 | |
| Toluene | ND | 0.0250 | 1 | 10/07/20 | 10/08/20 | |
| Ethylbenzene | ND | 0.0250 | 1 | 10/07/20 | 10/08/20 | |
| p,m-Xylene | ND | 0.0500 | 1 | 10/07/20 | 10/08/20 | |
| o-Xylene | ND | 0.0250 | 1 | 10/07/20 | 10/08/20 | |
| Total Xylenes | ND | 0.0250 | 1 | 10/07/20 | 10/08/20 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | 101 % | 70-130 | 10/07/20 | 10/08/20 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: RS | | Batch: 2041018 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 10/07/20 | 10/08/20 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | 86.1 % | 70-130 | 10/07/20 | 10/08/20 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analyst: JL | | Batch: 2041016 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 10/08/20 | 10/08/20 | |
| Oil Range Organics (C28-C35) | ND | 50.0 | 1 | 10/08/20 | 10/08/20 | |
| <i>Surrogate: n-Nonane</i> | | 94.2 % | 50-200 | 10/08/20 | 10/08/20 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analyst: IY | | Batch: 2041022 | |
| Chloride | ND | 20.0 | 1 | 10/07/20 | 10/08/20 | |



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: White Dove 17 Fed 2H + 3H
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
10/12/2020 1:30:39PM

CS2

E010019-02

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---------------|-----------------|-------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analyst: RS | | Batch: 2041018 | |
| Benzene | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| Toluene | 0.0804 | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| Ethylbenzene | 0.0300 | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| p,m-Xylene | 0.0810 | 0.0500 | 1 | 10/07/20 | 10/09/20 | |
| o-Xylene | 0.0321 | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| Total Xylenes | 0.113 | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | | 101 % | 70-130 | 10/07/20 | 10/09/20 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: RS | | Batch: 2041018 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 10/07/20 | 10/09/20 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | | 87.5 % | 70-130 | 10/07/20 | 10/09/20 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analyst: JL | | Batch: 2041016 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 10/08/20 | 10/08/20 | |
| Oil Range Organics (C28-C35) | ND | 50.0 | 1 | 10/08/20 | 10/08/20 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | | 98.4 % | 50-200 | 10/08/20 | 10/08/20 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analyst: IY | | Batch: 2041022 | |
| Chloride | ND | 20.0 | 1 | 10/07/20 | 10/08/20 | |



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: White Dove 17 Fed 2H + 3H
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
10/12/2020 1:30:39PM

CS3

E010019-03

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|-------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RS | | Batch: 2041018 |
| Benzene | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| Toluene | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| Ethylbenzene | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| p,m-Xylene | ND | 0.0500 | 1 | 10/07/20 | 10/09/20 | |
| o-Xylene | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| Total Xylenes | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 97.0 % | 70-130 | | 10/07/20 | 10/09/20 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RS | | Batch: 2041018 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 10/07/20 | 10/09/20 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 85.0 % | 70-130 | | 10/07/20 | 10/09/20 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: JL | | Batch: 2041016 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 10/08/20 | 10/08/20 | |
| Oil Range Organics (C28-C35) | ND | 50.0 | 1 | 10/08/20 | 10/08/20 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 98.0 % | 50-200 | | 10/08/20 | 10/08/20 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: IY | | Batch: 2041022 |
| Chloride | ND | 20.0 | 1 | 10/07/20 | 10/08/20 | |



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: White Dove 17 Fed 2H + 3H
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
10/12/2020 1:30:39PM

CS4

E010019-04

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|-------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | Analyst: RS | | Batch: 2041018 | |
| Benzene | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| Toluene | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| Ethylbenzene | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| p,m-Xylene | ND | 0.0500 | 1 | 10/07/20 | 10/09/20 | |
| o-Xylene | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| Total Xylenes | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 99.5 % | 70-130 | | 10/07/20 | 10/09/20 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | Analyst: RS | | Batch: 2041018 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 10/07/20 | 10/09/20 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 89.3 % | 70-130 | | 10/07/20 | 10/09/20 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | Analyst: JL | | Batch: 2041016 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 10/08/20 | 10/08/20 | |
| Oil Range Organics (C28-C35) | ND | 50.0 | 1 | 10/08/20 | 10/08/20 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 94.8 % | 50-200 | | 10/08/20 | 10/08/20 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | Analyst: IY | | Batch: 2041022 | |
| Chloride | ND | 20.0 | 1 | 10/07/20 | 10/08/20 | |



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: White Dove 17 Fed 2H + 3H
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
10/12/2020 1:30:39PM

CS5

E010019-05

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|-------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | Analyst: RS | | Batch: 2041018 | |
| Benzene | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| Toluene | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| Ethylbenzene | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| p,m-Xylene | ND | 0.0500 | 1 | 10/07/20 | 10/09/20 | |
| o-Xylene | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| Total Xylenes | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 98.2 % | 70-130 | | 10/07/20 | 10/09/20 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | Analyst: RS | | Batch: 2041018 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 10/07/20 | 10/09/20 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 85.9 % | 70-130 | | 10/07/20 | 10/09/20 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | Analyst: JL | | Batch: 2041016 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 10/08/20 | 10/08/20 | |
| Oil Range Organics (C28-C35) | ND | 50.0 | 1 | 10/08/20 | 10/08/20 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 87.9 % | 50-200 | | 10/08/20 | 10/08/20 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | Analyst: IY | | Batch: 2041022 | |
| Chloride | ND | 20.0 | 1 | 10/07/20 | 10/08/20 | |



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: White Dove 17 Fed 2H + 3H
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
10/12/2020 1:30:39PM

CS6

E010019-06

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|-------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analyst: RS | | Batch: 2041018 | |
| Benzene | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| Toluene | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| Ethylbenzene | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| p,m-Xylene | ND | 0.0500 | 1 | 10/07/20 | 10/09/20 | |
| o-Xylene | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| Total Xylenes | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | 98.7 % | 70-130 | | 10/07/20 | 10/09/20 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: RS | | Batch: 2041018 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 10/07/20 | 10/09/20 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | 88.2 % | 70-130 | | 10/07/20 | 10/09/20 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analyst: JL | | Batch: 2041016 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 10/08/20 | 10/08/20 | |
| Oil Range Organics (C28-C35) | ND | 50.0 | 1 | 10/08/20 | 10/08/20 | |
| <i>Surrogate: n-Nonane</i> | 101 % | 50-200 | | 10/08/20 | 10/08/20 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analyst: IY | | Batch: 2041022 | |
| Chloride | ND | 20.0 | 1 | 10/07/20 | 10/08/20 | |



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: White Dove 17 Fed 2H + 3H
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
10/12/2020 1:30:39PM

CS7

E010019-07

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|-------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | Analyst: RS | | Batch: 2041018 | |
| Benzene | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| Toluene | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| Ethylbenzene | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| p,m-Xylene | ND | 0.0500 | 1 | 10/07/20 | 10/09/20 | |
| o-Xylene | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| Total Xylenes | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 98.2 % | 70-130 | | 10/07/20 | 10/09/20 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | Analyst: RS | | Batch: 2041018 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 10/07/20 | 10/09/20 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 86.5 % | 70-130 | | 10/07/20 | 10/09/20 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | Analyst: JL | | Batch: 2041016 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 10/08/20 | 10/08/20 | |
| Oil Range Organics (C28-C35) | ND | 50.0 | 1 | 10/08/20 | 10/08/20 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 93.2 % | 50-200 | | 10/08/20 | 10/08/20 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | Analyst: IY | | Batch: 2041022 | |
| Chloride | ND | 20.0 | 1 | 10/07/20 | 10/09/20 | |



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: White Dove 17 Fed 2H + 3H
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
10/12/2020 1:30:39PM

CS8

E010019-08

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|-------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analyst: RS | | Batch: 2041018 | |
| Benzene | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| Toluene | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| Ethylbenzene | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| p,m-Xylene | ND | 0.0500 | 1 | 10/07/20 | 10/09/20 | |
| o-Xylene | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| Total Xylenes | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | 97.7 % | 70-130 | | 10/07/20 | 10/09/20 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: RS | | Batch: 2041018 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 10/07/20 | 10/09/20 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | 86.0 % | 70-130 | | 10/07/20 | 10/09/20 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analyst: JL | | Batch: 2041016 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 10/08/20 | 10/08/20 | |
| Oil Range Organics (C28-C35) | ND | 50.0 | 1 | 10/08/20 | 10/08/20 | |
| <i>Surrogate: n-Nonane</i> | 94.9 % | 50-200 | | 10/08/20 | 10/08/20 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analyst: IY | | Batch: 2041022 | |
| Chloride | ND | 20.0 | 1 | 10/07/20 | 10/09/20 | |



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: White Dove 17 Fed 2H + 3H
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
10/12/2020 1:30:39PM

CS9

E010019-09

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|-------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | Analyst: RS | | Batch: 2041018 | |
| Benzene | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| Toluene | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| Ethylbenzene | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| p,m-Xylene | ND | 0.0500 | 1 | 10/07/20 | 10/09/20 | |
| o-Xylene | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| Total Xylenes | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 95.0 % | 70-130 | | 10/07/20 | 10/09/20 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | Analyst: RS | | Batch: 2041018 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 10/07/20 | 10/09/20 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 86.6 % | 70-130 | | 10/07/20 | 10/09/20 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | Analyst: JL | | Batch: 2041016 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 10/08/20 | 10/08/20 | |
| Oil Range Organics (C28-C35) | ND | 50.0 | 1 | 10/08/20 | 10/08/20 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 93.0 % | 50-200 | | 10/08/20 | 10/08/20 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | Analyst: IY | | Batch: 2041022 | |
| Chloride | ND | 20.0 | 1 | 10/07/20 | 10/09/20 | |



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: White Dove 17 Fed 2H + 3H
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
10/12/2020 1:30:39PM

SW1

E010019-10

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|-------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | Analyst: RS | | Batch: 2041018 | |
| Benzene | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| Toluene | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| Ethylbenzene | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| p,m-Xylene | ND | 0.0500 | 1 | 10/07/20 | 10/09/20 | |
| o-Xylene | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| Total Xylenes | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 96.7 % | 70-130 | | 10/07/20 | 10/09/20 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | Analyst: RS | | Batch: 2041018 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 10/07/20 | 10/09/20 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 86.2 % | 70-130 | | 10/07/20 | 10/09/20 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | Analyst: JL | | Batch: 2041016 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 10/08/20 | 10/08/20 | |
| Oil Range Organics (C28-C35) | ND | 50.0 | 1 | 10/08/20 | 10/08/20 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 115 % | 50-200 | | 10/08/20 | 10/08/20 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | Analyst: IY | | Batch: 2041022 | |
| Chloride | ND | 20.0 | 1 | 10/07/20 | 10/09/20 | |



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: White Dove 17 Fed 2H + 3H
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
10/12/2020 1:30:39PM

SW2

E010019-11

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|-------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | Analyst: RS | | Batch: 2041018 | |
| Benzene | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| Toluene | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| Ethylbenzene | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| p,m-Xylene | ND | 0.0500 | 1 | 10/07/20 | 10/09/20 | |
| o-Xylene | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| Total Xylenes | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 96.5 % | 70-130 | | 10/07/20 | 10/09/20 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | Analyst: RS | | Batch: 2041018 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 10/07/20 | 10/09/20 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 89.7 % | 70-130 | | 10/07/20 | 10/09/20 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | Analyst: JL | | Batch: 2041016 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 10/08/20 | 10/09/20 | |
| Oil Range Organics (C28-C35) | ND | 50.0 | 1 | 10/08/20 | 10/09/20 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 94.4 % | 50-200 | | 10/08/20 | 10/09/20 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | Analyst: IY | | Batch: 2041022 | |
| Chloride | ND | 20.0 | 1 | 10/07/20 | 10/09/20 | |



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: White Dove 17 Fed 2H + 3H
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
10/12/2020 1:30:39PM

SW3

E010019-12

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|-------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | Analyst: RS | | Batch: 2041018 | |
| Benzene | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| Toluene | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| Ethylbenzene | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| p,m-Xylene | ND | 0.0500 | 1 | 10/07/20 | 10/09/20 | |
| o-Xylene | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| Total Xylenes | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 96.2 % | 70-130 | | 10/07/20 | 10/09/20 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | Analyst: RS | | Batch: 2041018 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 10/07/20 | 10/09/20 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 87.5 % | 70-130 | | 10/07/20 | 10/09/20 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | Analyst: JL | | Batch: 2041016 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 10/08/20 | 10/09/20 | |
| Oil Range Organics (C28-C35) | ND | 50.0 | 1 | 10/08/20 | 10/09/20 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 138 % | 50-200 | | 10/08/20 | 10/09/20 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | Analyst: IY | | Batch: 2041022 | |
| Chloride | ND | 20.0 | 1 | 10/07/20 | 10/09/20 | |



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: White Dove 17 Fed 2H + 3H
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
10/12/2020 1:30:39PM

SW4

E010019-13

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|-------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | Analyst: RS | | Batch: 2041018 | |
| Benzene | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| Toluene | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| Ethylbenzene | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| p,m-Xylene | ND | 0.0500 | 1 | 10/07/20 | 10/09/20 | |
| o-Xylene | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| Total Xylenes | ND | 0.0250 | 1 | 10/07/20 | 10/09/20 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 96.2 % | 70-130 | | 10/07/20 | 10/09/20 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | Analyst: RS | | Batch: 2041018 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 10/07/20 | 10/09/20 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 88.1 % | 70-130 | | 10/07/20 | 10/09/20 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | Analyst: JL | | Batch: 2041016 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 10/08/20 | 10/09/20 | |
| Oil Range Organics (C28-C35) | ND | 50.0 | 1 | 10/08/20 | 10/09/20 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 92.6 % | 50-200 | | 10/08/20 | 10/09/20 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | Analyst: IY | | Batch: 2041022 | |
| Chloride | ND | 20.0 | 1 | 10/07/20 | 10/09/20 | |



QC Summary Data

| | | | |
|-------------------------------------|------------------|---------------------------|----------------------|
| Souder Miller Associates - Carlsbad | Project Name: | White Dove 17 Fed 2H + 3H | Reported: |
| 201 S Halagueno St. | Project Number: | 01058-0007 | |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 10/12/2020 1:30:39PM |

Volatile Organics by EPA 8021B

Analyst: RS

| Analyte | Result mg/kg | Reporting Limit mg/kg | Spike Level mg/kg | Source Result mg/kg | Rec % | Rec Limits % | RPD % | RPD Limit % | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

Blank (2041018-BLK1)

Prepared: 10/07/20 Analyzed: 10/08/20

| | | | | | | | | | |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| Benzene | ND | 0.0250 | | | | | | | |
| Toluene | ND | 0.0250 | | | | | | | |
| Ethylbenzene | ND | 0.0250 | | | | | | | |
| p,m-Xylene | ND | 0.0500 | | | | | | | |
| o-Xylene | ND | 0.0250 | | | | | | | |
| Total Xylenes | ND | 0.0250 | | | | | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.75 | | 8.00 | | 96.8 | 70-130 | | | |

LCS (2041018-BS1)

Prepared: 10/07/20 Analyzed: 10/08/20

| | | | | | | | | | |
|-------------------------------------|------|--------|------|--|-----|--------|--|--|--|
| Benzene | 5.43 | 0.0250 | 5.00 | | 109 | 70-130 | | | |
| Toluene | 5.65 | 0.0250 | 5.00 | | 113 | 70-130 | | | |
| Ethylbenzene | 5.67 | 0.0250 | 5.00 | | 113 | 70-130 | | | |
| p,m-Xylene | 11.5 | 0.0500 | 10.0 | | 115 | 70-130 | | | |
| o-Xylene | 5.76 | 0.0250 | 5.00 | | 115 | 70-130 | | | |
| Total Xylenes | 17.2 | 0.0250 | 15.0 | | 115 | 70-130 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 8.40 | | 8.00 | | 105 | 70-130 | | | |

Matrix Spike (2041018-MS1)

Source: E010019-01 Prepared: 10/07/20 Analyzed: 10/08/20

| | | | | | | | | | |
|-------------------------------------|------|--------|------|----|------|--------|--|--|--|
| Benzene | 4.72 | 0.0250 | 5.00 | ND | 94.5 | 54-133 | | | |
| Toluene | 4.97 | 0.0250 | 5.00 | ND | 99.4 | 61-130 | | | |
| Ethylbenzene | 5.02 | 0.0250 | 5.00 | ND | 100 | 61-133 | | | |
| p,m-Xylene | 10.2 | 0.0500 | 10.0 | ND | 102 | 63-131 | | | |
| o-Xylene | 5.12 | 0.0250 | 5.00 | ND | 102 | 63-131 | | | |
| Total Xylenes | 15.3 | 0.0250 | 15.0 | ND | 102 | 63-131 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 8.52 | | 8.00 | | 107 | 70-130 | | | |

Matrix Spike Dup (2041018-MSD1)

Source: E010019-01 Prepared: 10/07/20 Analyzed: 10/09/20

| | | | | | | | | | |
|-------------------------------------|------|--------|------|----|------|--------|------|----|--|
| Benzene | 4.98 | 0.0250 | 5.00 | ND | 99.6 | 54-133 | 5.26 | 20 | |
| Toluene | 5.21 | 0.0250 | 5.00 | ND | 104 | 61-130 | 4.77 | 20 | |
| Ethylbenzene | 5.22 | 0.0250 | 5.00 | ND | 104 | 61-133 | 3.97 | 20 | |
| p,m-Xylene | 10.5 | 0.0500 | 10.0 | ND | 105 | 63-131 | 3.68 | 20 | |
| o-Xylene | 5.32 | 0.0250 | 5.00 | ND | 106 | 63-131 | 3.91 | 20 | |
| Total Xylenes | 15.9 | 0.0250 | 15.0 | ND | 106 | 63-131 | 3.76 | 20 | |
| Surrogate: 4-Bromochlorobenzene-PID | 8.46 | | 8.00 | | 106 | 70-130 | | | |



QC Summary Data

| | | | |
|-------------------------------------|------------------|---------------------------|----------------------|
| Souder Miller Associates - Carlsbad | Project Name: | White Dove 17 Fed 2H + 3H | Reported: |
| 201 S Halagueno St. | Project Number: | 01058-0007 | |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 10/12/2020 1:30:39PM |

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RS

| Analyte | Result mg/kg | Reporting Limit mg/kg | Spike Level mg/kg | Source Result mg/kg | Rec % | Rec Limits % | RPD % | RPD Limit % | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

Blank (2041018-BLK1)

Prepared: 10/07/20 Analyzed: 10/08/20

| | | | | | | | | | |
|---|------|------|------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | | | | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.11 | | 8.00 | | 88.9 | 70-130 | | | |

LCS (2041018-BS2)

Prepared: 10/07/20 Analyzed: 10/08/20

| | | | | | | | | | |
|---|------|------|------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | 45.0 | 20.0 | 50.0 | | 90.0 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 6.95 | | 8.00 | | 86.9 | 70-130 | | | |

Matrix Spike (2041018-MS2)

Source: E010019-01 Prepared: 10/07/20 Analyzed: 10/09/20

| | | | | | | | | | |
|---|------|------|------|----|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | 43.2 | 20.0 | 50.0 | ND | 86.5 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.18 | | 8.00 | | 89.7 | 70-130 | | | |

Matrix Spike Dup (2041018-MSD2)

Source: E010019-01 Prepared: 10/07/20 Analyzed: 10/09/20

| | | | | | | | | | |
|---|------|------|------|----|------|--------|------|----|--|
| Gasoline Range Organics (C6-C10) | 42.3 | 20.0 | 50.0 | ND | 84.7 | 70-130 | 2.06 | 20 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.09 | | 8.00 | | 88.7 | 70-130 | | | |



QC Summary Data

| | | | |
|-------------------------------------|------------------|---------------------------|----------------------|
| Souder Miller Associates - Carlsbad | Project Name: | White Dove 17 Fed 2H + 3H | Reported: |
| 201 S Halagueno St. | Project Number: | 01058-0007 | |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 10/12/2020 1:30:39PM |

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

| Analyte | Result mg/kg | Reporting Limit mg/kg | Spike Level mg/kg | Source Result mg/kg | Rec % | Rec Limits % | RPD % | RPD Limit % | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

Blank (2041016-BLK1)

Prepared: 10/08/20 Analyzed: 10/08/20

| | | | | | | | | | |
|---------------------------------|------|------|------|--|------|--------|--|--|--|
| Diesel Range Organics (C10-C28) | ND | 25.0 | | | | | | | |
| Oil Range Organics (C28-C35) | ND | 50.0 | | | | | | | |
| Surrogate: n-Nonane | 49.9 | | 50.0 | | 99.9 | 50-200 | | | |

LCS (2041016-BS1)

Prepared: 10/08/20 Analyzed: 10/08/20

| | | | | | | | | | |
|---------------------------------|------|------|------|--|------|--------|--|--|--|
| Diesel Range Organics (C10-C28) | 445 | 25.0 | 500 | | 89.1 | 38-132 | | | |
| Surrogate: n-Nonane | 49.2 | | 50.0 | | 98.4 | 50-200 | | | |

Matrix Spike (2041016-MS1)

Source: E010019-01 Prepared: 10/08/20 Analyzed: 10/08/20

| | | | | | | | | | |
|---------------------------------|------|------|------|----|------|--------|--|--|--|
| Diesel Range Organics (C10-C28) | 452 | 25.0 | 500 | ND | 90.3 | 38-132 | | | |
| Surrogate: n-Nonane | 47.0 | | 50.0 | | 94.0 | 50-200 | | | |

Matrix Spike Dup (2041016-MSD1)

Source: E010019-01 Prepared: 10/08/20 Analyzed: 10/08/20

| | | | | | | | | | |
|---------------------------------|------|------|------|----|------|--------|------|----|--|
| Diesel Range Organics (C10-C28) | 434 | 25.0 | 500 | ND | 86.8 | 38-132 | 3.97 | 20 | |
| Surrogate: n-Nonane | 46.2 | | 50.0 | | 92.5 | 50-200 | | | |



QC Summary Data

| | | | |
|-------------------------------------|------------------|---------------------------|----------------------|
| Souder Miller Associates - Carlsbad | Project Name: | White Dove 17 Fed 2H + 3H | Reported: |
| 201 S Halagueno St. | Project Number: | 01058-0007 | |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 10/12/2020 1:30:39PM |

Anions by EPA 300.0/9056A

Analyst: IY

| Analyte | Result mg/kg | Reporting Limit mg/kg | Spike Level mg/kg | Source Result mg/kg | Rec % | Rec Limits % | RPD % | RPD Limit % | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

Blank (2041022-BLK1)

Prepared: 10/07/20 Analyzed: 10/09/20

Chloride ND 20.0

LCS (2041022-BS1)

Prepared: 10/07/20 Analyzed: 10/08/20

Chloride 243 20.0 250 97.0 90-110

Matrix Spike (2041022-MS1)

Source: E010019-01 Prepared: 10/07/20 Analyzed: 10/08/20

Chloride 249 20.0 250 ND 99.7 80-120

Matrix Spike Dup (2041022-MSD1)

Source: E010019-01 Prepared: 10/07/20 Analyzed: 10/08/20

Chloride 250 20.0 250 ND 99.9 80-120 0.244 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

| | | | |
|-------------------------------------|------------------|---------------------------|----------------|
| Souder Miller Associates - Carlsbad | Project Name: | White Dove 17 Fed 2H + 3H | |
| 201 S Halagueno St. | Project Number: | 01058-0007 | Reported: |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 10/12/20 13:30 |

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

Page 1 of 2

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|--------------|-----------|---------------|-----------|---------------------------------|--------------------------|--|-----------|--|---|-----------------|-------------------------------|-------------|-------------|----------------|----|-------------|------------|------------|-------|--|--|--|
| Client: <u>SMA - Carl Shael</u> | | | | | Bill To | | | | | Lab Use Only | | | | | TAT | | EPA Program | | | | | | |
| Project: <u>White Dove 17 Feet 21+34</u> | | | | | Attention: <u>Lupe Corresco</u> | | | | | Lab WO# | | Job Number | | | 1D | 3D | RCRA | CWA | SDWA | | | | |
| Project Manager: <u>Ashley Maxwell</u> | | | | | Address: | | | | | E010019 | | 01058-0007 | | | | | | | | | | | |
| Address: | | | | | City, State, Zip | | | | | Analysis and Method | | | | | | | | | | State | | | |
| City, State, Zip | | | | | Phone: <u>575-725-0797</u> | | | | | DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | | | BGDOC - NM | BGDOC - TX | | | | |
| Email: | | | | | Email: <u>Lupe.Corresco</u> | | | | | | | | | | | | | | | | | | |
| Report due by: | | | | | @dvr.com | | | | | | | | | | | | | | | | | | |
| Time Sampled | Date Sampled | Matrix | No Containers | Sample ID | Lab Number | | | | | | | | | | | | | | | | | | |
| 9:05 | 10/2 | Soil | 1-4oz | CS1 | 1 | | | | | | | | | | | | | | | | | | |
| 9:10 | | | | CS2 | 2 | | | | | | | | | | | | | | | | | | |
| 9:15 | | | | CS3 | 3 | | | | | | | | | | | | | | | | | | |
| 9:20 | | | | CS4 | 4 | | | | | | | | | | | | | | | | | | |
| 9:25 | | | | CS5 | 5 | | | | | | | | | | | | | | | | | | |
| 9:30 | | | | CS6 | 6 | | | | | | | | | | | | | | | | | | |
| 9:35 | | | | CS7 | 7 | | | | | | | | | | | | | | | | | | |
| 9:40 | | | | CS8 | 8 | | | | | | | | | | | | | | | | | | |
| 9:45 | | | | CS9 | 9 | | | | | | | | | | | | | | | | | | |
| 9:50 | | | | SW1 | 10 | | | | | | | | | | | | | | | | | | |
| Additional Instructions: | | | | | | | | | | | | | | | | | | | | | | | |
| I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: <u>HS</u> | | | | | | | | | | Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. | | | | | | | | | | | | | |
| Relinquished by: (Signature) | | Date | | Time | | Received by: (Signature) | | Date | | Time | | Lab Use Only | | | | | | | | | | | |
| <u>HS</u> | | 10/5/20 | | 11:45 | | <u>HS</u> | | 10.5.2020 | | 11:45 | | Received on ice: <u>Y</u> / N | | | | | | | | | | | |
| Relinquished by: (Signature) | | Date | | Time | | Received by: (Signature) | | Date | | Time | | T1 | | | | | | | | | | | |
| <u>HS</u> | | 10.5.2020 | | 16:40 | | <u>HS</u> | | 10/6/20 | | 9:35 | | T2 | | | | | | | | | | | |
| Relinquished by: (Signature) | | Date | | Time | | Received by: (Signature) | | Date | | Time | | T3 | | | | | | | | | | | |
| | | | | | | | | | | | | AVG Temp °C <u>4.0</u> | | | | | | | | | | | |
| Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other | | | | | | | | | | Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA | | | | | | | | | | | | | |
| Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report. | | | | | | | | | | | | | | | | | | | | | | | |



envirotech
Analytical Laboratory

Ph (505) 632-1361 Fax (505) 632-1355

envirotech-inc.com
labadmin@envirotech-inc.com

Envirotech Analytical Laboratory

Printed: 10/6/2020 3:19:53PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

| | | | | | |
|---------|-------------------------------------|-----------------|----------------------------|----------------|----------------|
| Client: | Souder Miller Associates - Carlsbad | Date Received: | 10/06/20 09:35 | Work Order ID: | E010019 |
| Phone: | (575) 200-5443 | Date Logged In: | 10/06/20 15:12 | Logged In By: | Alexa Michaels |
| Email: | ashley.maxwell@soudermiller.com | Due Date: | 10/12/20 17:00 (4 day TAT) | | |

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: Fed Ex**Comments/Resolution****Sample Turn Around Time (TAT)**

6. Did the COC indicate standard TAT, or Expedited TAT? No

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

APPENDIX E

PHOTO LOG



☀ 21°N (T) ● 32.29823, -103.49658 ±2 m ▲ 1041 m



0 30 60 90
33°N (T) 32.298235, -103.496581 ±1 m 1040 m



30
60°NE (T) 32.298235, -103.496581 ±1 m ▲ 1040 m



30

60

90

120

81°E (T) 32.298287, -103.496594 ±1 m 1034 m



30

60

90

120

79°E (T) 32.298256, -103.496526 ±2 m ▲ 1035 m



☼ 60°NE (T) ● 32.298276, -103.496483 ±1 m ▲ 1035 m





☀ 57°NE (T) ● 32.298252, -103.496518 ±3 m ▲ 1039 m



30 60 90 120
☉ 72°NE (T) ● 32.298284, -103.496474 ±8 m ▲ 1031 m



☀ 247°SW (T) ● 32.298317, -103.496314 ±2 m ▲ 1038 m



210 240 270 300

☉ 264°W (T) ● 32.298301, -103.496308 ±2 m ▲ 1037 m



| | |
|----------------|---------------|
| Incident ID | NCH1825456054 |
| District RP | 1RP-5190 |
| Facility ID | |
| Application ID | PCH1825457523 |

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Tom Bynum Title: EHS Consultant
Signature: Tom Bynum Date: 10/23/2020
email: tom.bynum@dv.com Telephone: 575-748-2663

OCD Only

Received by: Robert Hamlet Date: 3/24/2021

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Robert Hamlet Date: 3/24/2021
Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 10825

CONDITIONS OF APPROVAL

| | | | | | | | | |
|--------------|---|--|--------|--------|----------------|-------|--------------|-------|
| Operator: | PIMA ENVIRONMENTAL SERVICES, L 1601 N. Turner | | OGRID: | 329999 | Action Number: | 10825 | Action Type: | C-141 |
| Suite 500 | Hobbs, NM88240 | | | | | | | |
| OCD Reviewer | Condition | | | | | | | |
| rhamlet | We have received your closure report and final C-141 for Incident #NCH1825456054 WHITE DOVE 17 FED COM 2H, thank you. This closure is approved. | | | | | | | |